

Well Records for Artificial Penetration #12

Silver Creek #54X

(API No. 1920758)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Coalinga California

April 15, 1974

Mr. Merlin J. Frasch, Agent
E. A. HENDER, OPERATOR
P. O. Box 52
Bakersfield, CA 93302

DEAR SIR:

Your report of abandonment of Well No. "Silver Creek" 54X (019-20758),
Sec. 31, T. 14 S, R. 13 E., M.D. B. & M., Cheney Ranch Gas field,
Fresno County, dated 7-23-73, received 10-25-73,
has been examined in conjunction with records filed in this office.

A review of the reports and records shows that the requirements of this Division,
which are based on all information filed with it, have been fulfilled.

Blanket Bond
EVK:ef
cc: Company
Conservation Committee

JOHN F. MATTHEWS, JR.
State Oil and Gas Supervisor

By

C. H. Corwin

Deputy Supervisor

RECORDS RECEIVED

Date Received 10-25-73
 Well Summary (Form 100)
 History (Form 103)
 Core Record (Form 101)
 Elec. Log - Lgs. Small
 Direct. Survey
 Sidewall Samples
 Other Formation of Hydrocarbon log
 Notice of Records Due
 Form 170 _____
 Date Final Records Received _____

STATUS

DATE

Producing - Oil _____
 Idle - Oil _____
 Abandoned - Oil _____
 Drilling - Idle _____
 Abandoned - Dry Hole
 Producing - Gas _____
 Idle - Gas _____
 Abandoned - Gas _____
 Gas - Open to Oil Zone _____
 Water Flood Source _____
 Water Disposal _____
 Water Flood _____
 Steam Flood _____
 Fire Flood _____
 Air Injection _____
 Gas Injection _____
 CO₂ Injection _____
 LPG Injection _____
 Observation _____

ENGINEER'S CHECK LIST

1. Summary, History, & Core record (dupl.)
2. Electric Log
3. Operator's Name
4. Signature
5. Well Designation
6. Location
7. Elevation
8. Notices
9. "T" Reports
10. Casing Record
11. Plugs
12. Surface Inspection
13. Production _____

RECOMPLETED

CLERICAL CHECK LIST

1. Location change (F-165) _____
2. Elevation change (F-165) _____
3. Form 121
4. Form 159 (Final Letter)
5. Form 150b (Release of Bond) _____

RECORDS NOT APPROVED

Reason: Environ Inspect

RECORDS APPROVED Yes

RELEASE BOND Blanket

Date Eligible _____
(Use date last needed records were received.)

MAP & MAP BOOK 105-2 4-15-74

4-5-74
surf f Environ Inspect
G.K.
E.V.K

D. VISION OF OIL AND GAS

WELL SUMMARY REPORT

SUBMIT IN DUPLICATE

Operator E. A. Bender, Operator _____ Well No. Silver Creek #54X-31
 Sec. 31, T. 14S, R. 13E, M. D. B. & M. Cheney Ranch Field Fresno County.

Location 1170'S & 1170'W from N.E. Corner, Sec. 31, T. 14S., R. 13E., M.D.B.&M.
(Give location from property or section corner, or street center lines)

Elevation of ground above sea level 405 feet.

All depth measurements taken from top of Kelly Bushing which is 16' feet above ground.
(Derrick Floor, Rotary Table or Kelly Bushing)

In compliance with Sec. 3215, of the Public Resources Code, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date July 23, 1973

Signed M. J. Frasch
M. J. Frasch

Fred Green
(Engineer or Geologist)

(Superintendent)

Title Agent
(President, Secretary or Agent)

Commenced drilling 3-27-73
 Completed drilling 4-20-73
 Total depth 10,887' Plugged depth 6953' & 1654'
 Junk Redrilled 6933-7183'

GEOLOGICAL MARKERS	DEPTH
Base Eocene Sands	5590'
Top Cretaceous Sands	7190'

Abandoned 4-21-73

Commenced producing ---- (Date) Flowing/gas lift/pumping
(Cross out unnecessary words)

Geologic age at total depth: Cretaceous
 Name of producing zone None

Initial production
 Production after 30 days

Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
Never produced.					

CASING RECORD (Present Hole)

Size of Casing (A. P. I.)	Depth of Shoe	Top of Casing	Weight of Casing	New or Second Hand	Seamless or Lapweld	Grade of Casing	Size of Hole Drilled	Number of Sacks of Cement	Depth of Cementing if through perforation
9-5/8"	1752'	Surface	36#		Seamless		13-3/4"	905	

PERFORATED CASING

(Size, top, bottom, perforated intervals, size and spacing of perforation and method.)

None

Was the well directionally drilled? Electrical Log Depths Jacobs Mud Logged 6500'-10,887'
Welex I-ES 1752'-10641'
" AVL 6000'-10,641' (Attach Copy of Log)

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR E. A. Bender, Operator FIELD Cheney Ranch
 Well No. Silver Creek #54X-31, Sec. 31, T. 14S, R. 13E, M. D. B. & M.
 Date July 23, 19 73 Signed M. J. Frasch
M. J. Frasch
 Box 52, Bakersfield, Ca. 93302 (805) 831-7461 Title Agent
 (Address) (Telephone Number) (President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form to report a full account of all important operations during the drilling and testing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be sure to include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, shooting and initial production data.

Date	<u>DEPTH</u>	<u>REMARKS</u>
1973		
3-27	1730'	Tiger Drilling Co., Contractor, spudded in at 5:00 A.M. with 13-3/4" bit using 4 1/2" drill pipe and water base gel mud. 16" conductor cemented at 30'.
3-28	1753'	Drilled 13-3/4" hole to 1753', B-J Cementers cemented 45 joints new 9-5/8" A.P.I., 36# K-55, S.T.&C. 8 rd. thread seamless casing including open guide shoe at 1752' with 390 sacks Class G cement, premixed with 390 sacks Diamix A and 6% gel, followed with 125 sacks Class G cement treated with 3% CaCl ₂ . Displaced cement with top rubber plug wing 749 cu. ft. mud. Pumped in 25 sacks Class G treated with 3% CaCl ₂ thru 1" line hung at 60' in annulus. Cement in place 7:30 A.M. Landed casing, welded on flange and tested to 2000 p.s.i. Installed B.O.P.E. and tested complete shut-off, and pipe rams to 1500 p.s.i.
3-29	4360'	Drilled out cement and shoe with 8-3/4" bit. B.O.P.E. approved by R. A. Reid, Division of Oil & Gas.
4-1	7192'	Drilling 8-3/4" hole. Jacobs Formation Logging Unit on at 6500'.
4-6	9376'	Measured out of hole at 9243'. Corrected to 9246'. Drilling with 8-3/4" bit.
4-11	10583'	Reduced hole size from 8-3/4" to 7-7/8" at 10245'.
4-12	10583'	Lost 2 cones off 7-7/8" Globe Bit at 10583'. Recovered cones with magnet. Mill on junk shows.
4-13	10588'	Drilling on junk 6-3/4 hours. Ran magnet, no recovery.
4-14	10649'	Drilled by junk and ahead with 7-7/8" bit. Welex logged I-ES 10641' - 1752' and Acoustic Velocity Log 10640'-6000'.

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR E. A. Bender, Operator FIELD Cheney Ranch

Well No. Silver Creek #54X-31, Sec. 31, T. 14S, R. 13E, M.D. B. & M.

Date July 23, 19 73 Signed M. J. Frasch

Box 52, Bakersfield, Ca. 93302 (805) 831-7461 Title Agent
(Address) (Telephone Number) (President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form to report a full account of all important operations during the drilling and testing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be sure to include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, shooting and initial production data.

Date 1973	DEPTH	REMARKS
4-15	10723'	Set Lynes dual packers 10553'-10560', using 4½" drill pipe with tail to 10649' and 500' water cushion. Opened tester and packers failed. Drilled ahead from 10649' with 7-7/8" bit.
4-16	10887'	Drilled 7-7/8" hole to 10887'. Pulled bit and ran in 4½" open end drill pipe to 7260' to plug hole.
4-17	10887' Plug 6504	B-J Cementers plugged 8-3/4" hole with 70 sacks Class G cement premixed with 70 sacks Diamix A through 4½" open end drill pipe hung at 7260'. Displaced with 536 cu. ft. mud. 100 cu. ft. water ahead and 10 cu. ft. water behind cement. Pulled 4½" drill pipe to 6857' and displaced 70 sacks Class G cement premixed with 70 sacks Diamix A with 502 cu. ft. mud. 100 cu. ft. water ahead and 10 cu. ft. water behind. Pulled 4½" drill pipe to 6407', circulated 3 hours. Stood cemented 5 hours. Located top soft cement at 6376' and cleaned out to 6504' with 8-3/4" bit. Circulated 9 hours.
4-18	10887' Plug 6933' Redrill 6958'	Cleaned out soft cement 6504' to 6923', top of hard cement with 8-3/4" and drilled hard cement to 6933'. Shale running. Using Dyna-Drill with 8-3/4" bit cleaned out running shale to 6933' and redrilled to 6958'. Lost two cones in hole.
4-19	10887' Redrill 7110'	Recovered one cone with magnet. Re-run magnet and recovered second cone. Redrilling with Dyna-Drill and 7-7/8" bit from 6958'.
4-20	10887' Redrill 7183'	Redrilled to 7183'. Circulated out for Jacobs mud logging 2 hours. Set Lynes dual packers 7135'-7162' with tail to 7183' using 4½" drill pipe and 500' water cushion. Tool with 5/8" bean open 30 minutes. Recovered net 95' slightly gas cut mud. I.S.I.P. 279 p.s.i. I.F.P. 214 p.s.i. F.F.P. 214 p.s.i. F.S.I.P. 311 p.s.i.

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR E. A. Bender, Operator FIELD Cheney Ranch

Well No. Silver Creek #54X-31, Sec. _____, T. _____, R. _____, B. & M.

Date _____, 19____ Signed _____

(Address) _____ (Telephone Number) _____ Title _____
 (President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form to report a full account of all important operations during the drilling and testing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be sure to include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, shooting and initial production data.

Date
1973

4-21

DEPTH

REMARKS

10867'
 Redrill 7183'
 Plug 6953'
 Plug 1654'

Plug No. 1. Plugged 7-7/8" open hole with 70 sacks Class G Cement treated with 3% CaCl₂ through 4½" open end drill pipe hung at 7180'. Displaced with 514 cu. ft. mud. C.I.P. 1:45 A.M. Wait on cement 4½ hours. Located top of cement 6953'. Plug No. 2. Plugged 8-3/4" open hole and 9-5/8" surface casing with 80 sacks Class G treated with 3% CaCl₂ through 4½" open end drill pipe hung at 1807'. Displaced with 114 cu. ft. mud. C.I.P. 7:20 A.M. B-J Cementers. Wait on cement 3 hours. Location and hardness of cement plug at 1654' witnessed and approved by Eric Kaarlela, D.O.G.
WELL ABANDONED.

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR E. A. Bender, Operator FIELD Cheney Ranch

Well No. Silver Creek #54X-31, Sec. _____, T. _____, R. _____, B. & M.

Date _____, 19____ Signed _____

(Address) _____ (Telephone Number) _____ Title _____
 (President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form to report a full account of all important operations during the drilling and testing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be sure to include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, shooting and initial production data.

Date

Bit Record

<u>Bit No.</u>	<u>Size</u>	<u>Make</u>	<u>From</u>	<u>To</u>	<u>Feet</u>	<u>Hours</u>	<u>Remarks</u>
1	13-3/4"	Hughes OSC 3A	0'	1753'	1753'	16½	
2	8-3/4"	Globe SS3A	1753'	3786'	2033'	16-3/4	
3	8-3/4"	Globe SS3A	3786'	4807'	1021'	12	
4	8-3/4"	Globe S3	4807'	5450'	643'	11½	
5	8-3/4"	Globe S3	5450'	6137'	687'	12	
6	8-3/4"	Globe SS3A	6137'	6828'	691'	14	
7	8-3/4"	Globe SS3A	6828'	7448'	620'	13	
8	8-3/4"	Globe S3	7448'	7953'	495'	10½	
9	8-3/4"	Globe S3	7943'	8553'	610'	13	
10	8-3/4"	Globe S3	8553'	8770'	217'	10	
11	8-3/4"	Globe ST3-G	8770'	9020'	250'	16½	
12	8-3/4"	Globe ST3	9020'	9245'	225'	13	
13	8-3/4"	Globe ST3	9245'	9376'	133'	14	
14	8-3/4"	Globe MT	9376'	9571'	195'	20	
15	8-3/4"	Globe ST3	9571'	9751'	180'	14-3/4	
16	8-3/4"	Globe S3	9751'	9995'	244'	21	
17	8-3/4"	Globe S3	9995'	10245'	250'	16½	
18	7-7/8"	Globe ST3	10245'	10583'	338'	12-3/4	
19	7-7/8"	Globe ST3	10583'	10583'	--	2½	Cone in hole.
19-A	7-7/8"	Concave mill	--	--	--	6½	2 cones in hole.
20	7-7/8"	Smith VIG	10583'	10588'	5'	4½	Rec. 2 cones/magnet.
21	7-7/8"	Smith DGT	10588'	10649'	61'	4	Mill on cone.
22	7-7/8"	Smith DGT	10649'	10806'	157'	10-3/4	Drilling on junk.
23	7-7/8"	Smith VIJ	10806'	10887'	81'	5	Run E-logs.

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR E. A. Bender, Operator FIELD Cheney Ranch

Well No. Silver Creek #54X-31, Sec. _____, T. _____, R. _____, B. & M. _____

Date _____, 19____ Signed _____

(Address) _____ (Telephone Number) _____ Title _____
 (President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form to report a full account of all important operations during the drilling and testing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be sure to include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, shooting and initial production data.

Date

Single Shot
Deviation Record

<u>Depth</u>	<u>Angle</u>	<u>Depth</u>	<u>Angle</u>
1753'	0° 15'	8770'	3° 45'
3786'	1° 30'	9020'	3° 45'
4007'	3° 00'	9243'	4° 00'
5450'	2° 30'	9375'	4° 00'
6137'	4° 00'	9571'	4° 00'
6828'	2° 00'	9751'	4° 00'
7448'	2° 30'	9995'	4° 00'
7943'	3° 30'	10245'	4° 05'
8554'	3° 15'	10583'	4° 45'

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

Report on Operations

No. T573-82

Mr. Merlin J. Frasch, Agent
E. A. BENDER, OPERATOR
P. O. Box 52
Bakersfield, CA 93302

Coalinga, Calif.
April 25, 1973

DEAR SIR:

Operations at well No. "Silver Creek" 54X, API No. 019-20758, Sec. 31, T. 148, R. 13E,
M. D., B & M. Cheney Ranch Gas Field, in Fresno County, were witnessed
on April 21, 1973. Mr. E. V. Kaarlela, representative of the supervisor was
present from 1100 to 1130. There were also present C. E. Morehouse, Driller
(Tiger Drilling Co.)

Present condition of well: 9-5/8" cem. 1753'; T.D. (1st hole) 10,887', plugged with cem. 7260'
6900', redrilled 6900'-7183', plugged with cem. 7183'-6953' and 1807'-1654'.

The operations were performed for the purpose of witnessing the plugging operations in the
process of abandonment.

DECISION: THE LOCATION AND HARDNESS OF THE CEMENT PLUG AT 1654' IS APPROVED.

*5-2-73
surf. inspect
steel plate weld on well
head 4 feet below the
surface of ground.*

E. V. Kaarlela

*9-21-73
ENVIRON. inspect,
Area cleaned except
for a small part of
the camp to be filled
in.*

E. V. K

EVK:fd
cc: Fred Green

JOHN F. MATTHEWS, JR.
State Oil and Gas Supervisor

By C. H. Codrill Deputy

Cementing/Plugging Memo

1573-87

Company P. F. Pennington
 Well No. "Silver Creek 548" Sec. , T. , R. , B&M
 Field , County . On ,
 Mr. , designated by the supervisor was present from to ,
 as prescribed by law; there were also present
 Casing record of well:
redrilled 6900 - 1650

The operations were performed for the purpose of

The plugging/cementing operations as reported and witnessed are approved.

The location and hardness of the cement plug @ 1600' is approved.

Hole size: " fr. ' to ', ' to " & " to '

Casing				Cemented		Top of Fill		Squeezed	Final		
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing	Away	Press.	Perfs.

Casing/tubing recovered: " shot/cut at ', ', ' pulled fr. ';
 " shot/cut at ', ', ' pulled fr. '.

Junk (in hole):

Hole fluid (bailed to) at '. Witnessed by

Mudding	Date					
	Date	Bbls.	Displaced	Poured	Fill	Engr.

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cu.ft.	MO & Depth	Date & Time	Engr.	Depth	Wt/Sample	Date & Time	Engr.

* Cement plug used to kick off for redrill

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P. 573-94

Mr. Merlin J. Frasch, Agent
E. A. REMMER, OPERATOR
P. O. Box 52
Bakersfield, CA 93302

Coalinga
April 25, 1973
Calif.

DEAR SIR:

Your _____ proposal to _____ abandon _____ Well No. (019-20758) "Silver Creek" 54X _____,
Section 31, T. 16 S., R. 13 E., M.D. B. & M., Cheney Ranch (see Field, Fresno _____ County,
dated 4-21-73, received 4-21-73, has been examined in conjunction with records filed in this office.

DECISION: THE PROPOSED WORK, WHICH HAS ALREADY BEEN COMPLETED IN ACCORDANCE WITH
PRICE AGREEMENT, IS APPROVED.

Blanket Bond
RAR:ef
cc: Fred Green

JOHN F. MATTHEWS, JR., State Oil and Gas Supervisor
By _____ *C. J. Corwin* _____, Deputy

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

7-273-77

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin; one copy only

Bakersfield Calif. April 21, 19 73

DIVISION OF OIL AND GAS

In compliance with Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon

Well No. Silver Creek #54X-31, Sec. 31, T. 14 S.,

R. 13 E., M.D. B. & M., Cheney Ranch Gas Field, Fresno County,

commencing work on April 20, 19 73.

THE PRESENT CONDITION OF THE WELL IS:

1. Total Depth: 10,887'. Redrilled 6900'-7183'.
2. Complete casing record, including plugs:
 - 9-5/8" cemented at 1753'.
 - 8-3/4" open hole 1753'-10,301'.
 - 7-7/8" open hole 10,301'-10,887'.
 - Plugged open hole 7260'-6373'.
 - 7-7/8" open hole (redrill) 6900'-7183'.

ADDITIONAL DATA FOR DRY HOLE

4. Oil or Gas showings and results of tests:
 - D.S.T. 7162' to 7183'. Recovered 95' gas cut mud.

5. Stratigraphic markers and depths:
 - To be filed with Form 100.

3. Last Produced Never produced.
(Date) (Oil, B/D) (Gas, Mcf/D) (Water, B/D)

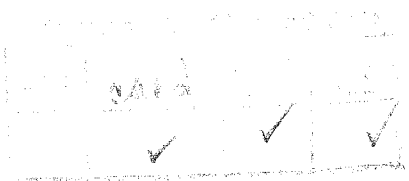
6. Formation at bottom: Cretaceous

7. Base of fresh water sands: above 1700'.

THE PROPOSED WORK IS

1. Plug 7-7/8" open hole with 70 sacks cement thru 4 1/2" d.p. hung at 7180'. Calculate top cement plug 6950'. D.O.G. to witness top at cement plug.
2. Plug 8-3/4" open hole and 9-5/8" casing with 80 sacks cement (100% excess) thru 4 1/2" d.p. hung at 1807'. D.O.G. to witness cementing operations.
3. Plug top 25' of 9-5/8" casing with cement (top of casing to be below plow depth).

NOTE: Above confirms telephone conversation, April 20, 1973, with Mr. Eric Kearlele, D.O.G., and Ralph A. McGoey, engineer for Bender.



P.O. Box 52, Bakersfield, California 93302
(Address)

E. A. BENDER, OPERATOR
(Name of Operator)

(805) 831-7461
(Telephone No.)

By M. J. Frasch, Agent

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P 573-91Mr. Merlin J. Frasch, AgentE. A. BENDER, OPERATORP O Box 52Bakersfield, CA 93302Coalinga, Calif.April 19, 1973

DEAR SIR:

Your proposal to redrill Well No. (019-20738)
Section 31, T. 14S, R. 13E, N D B. & M., Cheney Ranch Gas Field, Fresno County,
 dated 4-17-73, received 4-19-73, has been examined in conjunction with records filed in this office.

DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT a supplementary notice shall be filed in the event that additional casing is to be cemented in the hole, and other requirements will be outlined at that time.

Blanket Bond
 CHC:fd
 cc: Fred Green

JOHN F. MATTHEWS, JR., State Oil and Gas Supervisor

By C. J. Corwin, Deputy

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

7513-91

DIVISION OF OIL AND GAS

Notice of Intention to Deepen, Redrill, Plug or Alter Casing in Well

This notice must be given before work begins; one copy only

Bakersfield, Calif. April 17, 1973

DIVISION OF OIL AND GAS

Coalinga, Calif.

In compliance with Section 3203, Chapter 93, Statutes of 1939, notice is hereby given that it is our intention to commence the work of ~~deepening, redrilling, plugging or altering casing~~ at Well No. Silver Creek No. 54X-31
(Cross out unnecessary words)

Sec. 31, T. 14 S., R. 13 E., M. D. B. & M.
Cheney Ranch Field, Fresno County.

The present condition of the well is as follows:

- Total depth. 10,887'
- Complete casing record.
 - 9-5/8" cemented at 1753'.
 - 8-3/4" open hole to 10,245'.
 - 7-7/8" open hole to 10,887'.
 - Welex I.E.S. log on file your office 1752' to 10641'.
 - No shows of oil and/or gas 10641' to 10887' - Jacobs Formation Logging Co.

Referred to file of data

3. Last produced. Never produced
(Date) (Net Oil) (Gravity) (Cut)

The proposed work is as follows: Telephoned to DOG by E. A. Bender on 4-16-73.

- Hole filled with 75# mud 7260' - 10,887'.
- Plug 8-3/4" open hole 7260'-6500' with 140 sacks of Class "G" cement premixed with 140 sacks Diamix A thru 4 1/2" drill pipe hung at 7260'.
- Redrill 7-7/8" hole from 6500' to 7175'±. Exact depth to be determined from mud log.
- Balance of program to be determined by drill stem test. Division to be advised.

E. A. BENDER, OPERATOR
(Name of Operator)

By *M. J. Frasen*
M. J. Frasen, Agent

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

Report on Operations

No. T. 573-71

Mr. Merlin J. Frasch, Agent
E. A. HENDER, OPERATOR
P. O. Box 52
Bakersfield, CA 93302

Coalinga Calif.
March 30, 1973

DEAR SIR:

Operations at well No. "Silver Creek" 54X, API No. (019-20758), Sec. 31, T. 14S, R. 13E.,
M.D., B & M. Cheney Ranch Gas Field, in Fresno County, were witnessed
on March 29, 1973. Mr. E. A. Reid representative of the supervisor was
present from 1435 to 1500. There were also present J. Hamilton, Drilling Foreman
(Tiger Drilling Co.)

Present condition of well: 13-3/4" con. 1753'. T.D. 3700'± (drilling)

The operations were performed for the purpose of inspecting the blowout-prevention equipment and installation.

DECISION: THE BLOWOUT-PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.

RAR:ef
cc: Fred Green.

JOHN F. MATTHEWS, JR.
State Oil and Gas Supervisor

By C. J. Corvino Deputy

7573-71

Operator E.A. Bendor, Opr.
 Well No. Silver Creek 54 X (019-20758) Sec. 31, T. 14S, R. 13E, M.D. B&M
 Field Cheney Ranch Gas, County Fresno. On MARCH 29 1973
 Mr. R.A. Reid, representative of the supervisor was present from 1415
 to 1500. There was also present J. Hamilton, drilling foreman (Tiger Drilling Co.)
 Casing record of well: 13 3/4" from 1753; T.D. 3700' ± (Drilling)

The operations were performed for the purpose of ~~testing~~ (inspecting) the blowout-prevention equipment and installation.

The blowout-prevention equipment and installation are ~~(not)~~ approved.

Hole size: 13 3/4" fr. Surface to 1753', 8 3/4" to 3700' ± & " to '

X	Installed			Cemented			Tested		Date	Psi	Time (Min.)
	Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus			
			Surface	1753	3-28-73	Pump-1753	*	Surf.			

* 390 SCS com. mixed w/ 390 SCS DIAMIX and 8% Gel, followed by 125 SCS com and 13% gel. Tubing was also hung at 60' and 25 SCS pumped.

Types Enumerated		Mfg.-Model	Overhaul Date	Flange Bolt	Clamp Size	Psi Rating	Date	Psi	Time
Top	Bottom								
1	Annular	G.K. Hydril - 10-900	9-72	✓		3000	3-28-73	1500	10
2	Pipe rams	Cameron 10-900	"	✓		3000	"	1500	10
3	Blind rams	Cameron 10-900	"	✓		3000	"	1500	10

Accessories

Type	Psi Rating	Size or Capacity
✓ Accumulator		20
✓ Nitrogen bottle		3
2 Mud pump Notional	6700	6" x 14"
✓ Standpipe gauge		N.A.
Check valve		
Inside BOP		
✓ Kelly cock		N.A.
✓ Spool		

X	Type	Psi Rating	Size or Capacity
	Choke line	10,000	2"
	Fill-up line	nose	
	Kill line	10,000	2"
	Control lines	10,000	1"
	Rotating head	N.A.	N.A.
	Banjo box & blow line	N.A.	N.A.
	Muffler on blowline	N.A.	N.A.
	Pressure relief valve		

Drilling Fluid Program

Type	Weight	Water Loss	Cake	Viscosity	Storage
Gel	74	10	3/32	25	500 BBL

BOPE Control Stations	
Remote: <u>Rig Floor</u>	<u>5</u>
Remote: <u>✓</u>	<u>80</u>
Manual: <u>Ratchet</u>	<u> </u>

Monitoring Devices	Alarm	
	Yes	No
Calibrated mud pit		
Mud pit level indicator		
Gas detector		
Continuous (mud densimeter or) (temperature recorder)		

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT ON PROPOSED CHANGE OF WELL DESIGNATION

Coalinga California

March 28, 1973

Mr. C. F. Green, Geologist
E. A. BENDER, OPERATOR
P. O. Box 926
Bakersfield, CA 93302

DEAR SIR:

Your request dated March 27, 1973, relative to change in designation of well(✓) in Sec. 31, T. 14 S., R. 13 E., M. D. B. & M., Cheney Ranch Gas field, Fresno County, District No. 5, has been received; and in accordance with Section 3203, Public Resources Code, reading in part as follows:

“* * * The number or designation by which any well heretofore drilled has been known, and the number or designation specified for any well in a notice filed as required by Section 3203, shall not be changed without first obtaining a written consent of the Supervisor.”

the proposed change in designation is hereby authorized as follows:

Well No. "Silver Creek" 6 (019-20758) will hereafter be known as "Silver Creek" 54X.

cc: Agent

SEP	card		
MFB	3-31-73	✓	✓
Kull			✓
WS-2			

JOHN F. MATTHEWS, JR.
State Oil and Gas Supervisor

By C. J. Corwin
Deputy Supervisor

BENDER OIL OPERATIONS

1600 SOUTH UNION AVENUE P. O. BOX 52
TELEPHONE (805) 831-7461
BAKERSFIELD, CALIFORNIA 93302

March 27, 1973

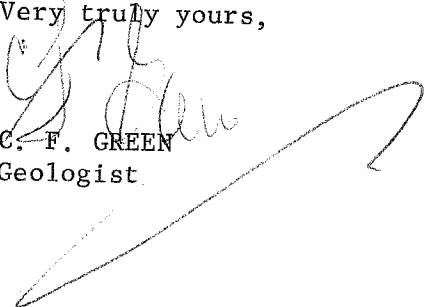
Division of Oil & Gas
466 North 5th Street
P. O. Box 616
Coalinga, California 93210

Attention: Mr. C. H. Corwin, Deputy Supervisor

Gentlemen:

After receiving your letter of March 22, 1973 we have decided to keep the well numberings as they presently are. Please redesignate the well in Section 31 as well Silver Creek 54X-31.

Very truly yours,


C. F. GREEN
Geologist

CFG;yl

March 22, 1973

E. A. Bender, Operator
P. O. Box 52
Bakersfield, CA 93302

Dear Sir:

This office recently received your notice of intention to drill well No. "Silver Creek" 6 in Cheney Ranch Gas field.

Consequently, "Silver" Creek" 6 is now the official designation of the well instead of "Silver Creek" 54X, as used in the former numbering system for wells in the field.

It is my understanding that it is your desire to renumber the other wells in the sequence in which they were drilled. If this is your intention, please furnish a letter showing the requested changes.

Yours truly,



C. H. CORWIN
Deputy Supervisor

CHC/ef

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P 573-76

Mr. Merlin J. Frasch, Agent
E. A. BENDER, OPERATOR
P. O. Box 52
Bakersfield, CA 93302

Coalinga
March 15, 1973
Calif.

(019-20758)
Well No. "Silver Creek" 6
Fresno County,

DEAR SIR:

Your proposal to drill
Section 31, T 14S., R 13E., M.D.B. & M., Chesney Ranch Gas Field,
dated 3-14-73, received 3-15-73, has been examined in conjunction with records filed in this office.

DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Mud fluid of sufficient weight and proper consistency to prevent blowouts shall be used in drilling, and the column of mud fluid shall be maintained to the surface at all times, particularly while pulling the drill pipe.
2. Adequate blowout-prevention equipment shall be installed, consisting in part of power-operated equipment capable of closing in the well with the pipe either in or out of the hole. Power-operated controls shall be situated both on the derrick floor and at a remote location. For this well, minimum equipment shall consist of an annular preventer and two ram-type preventers, one of which is a complete shut-off and the other is to close around the drill pipe.
3. This Division shall be consulted regarding the cementing of the 5 1/2" casing before running it into the hole.
4. For the protection of potential upper sands, containing oil and/or gas, one of the following operations shall be performed:
 - a. Sufficient cement shall be used at the shoe of the 5 1/2" casing, to fill back of this casing to 6500', or
 - b. The 5 1/2" casing shall be cemented through perforations at the base of the Jergins zone, using sufficient cement to reach above 6500'.
5. To demonstrate that cement has reached 6500' behind the 5 1/2" casing, one of the following methods shall be used:
 - a. A cement bond log shall be run after cementing the 5 1/2" casing, or
 - b. A test of the 5 1/2" water shut-off shall be made above the uppermost potential sand.
6. This Division shall be notified to witness:
 - a. A pressure test of the blowout-prevention equipment on the 9-5/8" casing prior to drilling below the shoe of the casing.
 - b. A test of the water shut-off through four shot perforations immediately above the objective sand, prior to perforating the casing for production.

Blanket Bond
CHC:ef
cc: Fred Green

JOHN F. MATTHEWS, JR., State Oil and Gas Supervisor

By C. J. Corwin, Deputy

DIVISION OF OIL AND GAS
Notice of Intention to Drill New Well
This notice and surety bond must be filed before drilling begins

7573-76

019 20758

DIVISION OF OIL AND GAS

Bakersfield, Calif. March 14, 1973

In compliance with Section 3203, Division III, Article 4, Public Resources Code, notice is hereby given that it is our intention to commence drilling well No. "Silver Creek" No. 6 (54X-31), Sec. 31, T. 14 S., R. 13 E., M. D. B. & M., Cheney Ranch Field, Fresno County.

Legal description of mineral-right lease, consisting of 160 acres, is as follows: Northeast quarter of Sec. 31, T. 14 S., R. 13 E., MDR&M. (Attach map or plat to scale)

Do mineral and surface leases coincide? Yes No If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of Well: 1170 feet South along section line and 1170 feet West at right angles to said line from the Northeast corner of section 31

Elevation of ground above sea level 405 feet sea level datum.

All depth measurements taken from top of Kelly Bushing which is 14 feet above ground. (Derrick Floor, Rotary Table or Kelly Bushing)

PROPOSED CASING PROGRAM

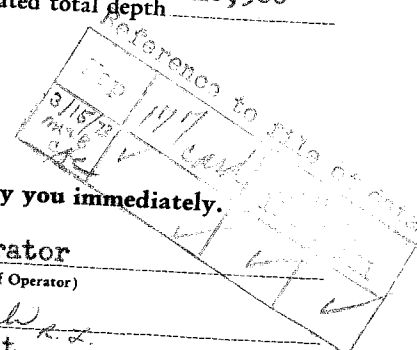
SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
9-5/8"	36#	J-55	0'	1700'	Shoe to surface
5 1/2"	15 1/2 & 17#	K-55	0'	10,500' ±	10,500' ±

Intended zone(s) of completion: Cretaceous "E" Sands - 10200' to 10500' Estimated total depth 10,500'

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address P. O. Box 52
Bakersfield, Ca. 93302
Telephone Number (805) 831-7461

E. A. Bender, Operator
(Name of Operator)
By M. J. Frasch, Agent
Type of Organization Individual
(Corporation, Partnership, Individual, etc.)



Well Records for Artificial Penetration #13

Silver Creek #32X

(API No. 1920776)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Coalinga California

April 15, 1974

Mr. Merlin J. Frasch, Agent
E. A. BENDER, OPERATOR
P. O. Box 52
Bakersfield, CA 93302

DEAR SIR:

Your report of abandonment of Well No. "Silver Creek" 32X (019-20776),
Sec. 32, T. 14S., R. 13E., M.D. B. & M., Cheney Ranch Gas field,
Fresno County, dated 11-15-73, received 11-30-73,
has been examined in conjunction with records filed in this office.

A review of the reports and records shows that the requirements of this Division,
which are based on all information filed with it, have been fulfilled.

Blanket Bond

EVK:ef

cc: Company
Conservation Committee

JOHN F. MATTHEWS, JR.
State Oil and Gas Supervisor

By

C. J. Collins

Deputy Supervisor

RECORDS RECEIVED

Date Received 11-30-73
Well Summary (Form 100)
History (Form 103)
Core Record (Form 101)
Elec. Log - Lgs. Small
Direct. Survey
Sidewall Samples
Other Formation & Hydrocarbon Log

Notice of Records Due
Form 170

Date Final Records Received

ENGINEER'S CHECK LIST

1. Summary, History, & Core record (dupl.)
2. Electric Log
3. Operator's Name
4. Signature
5. Well Designation
6. Location
7. Elevation
8. Notices
9. "T" Reports
10. Casing Record
11. Plugs
12. Surface Inspection
13. Production

RECORDS NOT APPROVED

Reason: No SVT or Environ Impact

RECORDS APPROVED Yes

RELEASE BOND Blanket

Date Eligible _____
(Use date last needed records were received.)

MAP & MAP BOOK 100-8 4-15-74

2. VIK

STATUS

DATE

Producing - Oil _____
 Idle - Oil _____
 Abandoned - Oil _____
 Drilling - Idle _____
 Abandoned - Dry Hole
 Producing - Gas _____
 Idle - Gas _____
 Abandoned - Gas _____
 Gas - Open to Oil Zone _____
 Water Flood Source _____
 Water Disposal _____
 Water Flood _____
 Steam Flood _____
 Fire Flood _____
 Air Injection _____
 Gas Injection _____
 CO₂ Injection _____
 LPG Injection _____
 Observation _____

RECOMPLETED

CLERICAL CHECK LIST

1. Location change (F-165) _____
2. Elevation change (F-165) _____
3. Form 121
4. Form 159 (Final Letter)
5. Form 150b (Release of Bond) _____

4-5-74
surf & Environ impact
E. V. R.

DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

SUBMIT IN DUPLICATE

Operator E. A. BENDER, OPERATOR Well No. "Silver Creek 32X-32"

Sec. 32, T. 14 S., R. 13 E., M. D. B. & M. Cheney Ranch Field Fresno County.

Location 1200 feet South and 1650 feet East from Northwest Corner, Section 32, 14S/13E.
(Give location from property or section corner, or street center lines)

Elevation of ground above sea level 392 feet

All depth measurements taken from top of Kelly bushing which is 12.5 feet above ground.
(Derrick Floor, Rotary Table or Kelly Bushing)

In compliance with Sec. 3215, of the Public Resources Code, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date November 15, 1973

Signed M. J. Frisch
M. J. Frisch

Fred Green

(Engineer or Geologist)

(Superintendent)

Title Agent

(President, Secretary or Agent)

Commenced drilling	<u>9-19-73</u>
Completed drilling	<u>10-1-73</u>
Total depth <u>7531'</u>	Plugged depth <u>7296'-6956'</u>
Junk <u>None</u>	" " <u>1744'-1530'</u>
	" " <u>791'-633'</u>

GEOLOGICAL MARKERS

DEPTH

Top Cretaceous Sand 7260'

NOV 30 1973

Abandoned 10-2-73

Geologic age at total depth: Cretaceous

Commenced producing None (Date) Flowing/gas lift/pumping (Cross out unnecessary words)

Name of producing zone None

Initial production

Production after 30 days

Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
<u>Never produced</u>					

CASING RECORD (Present Hole)

Size of Casing (A. P. I.)	Depth of Shoe	Top of Casing	Weight of Casing	New or Second Hand	Seamless or Lapweld	Grade of Casing	Size of Hole Drilled	Number of Sacks of Cement	Depth of Cementing if through perforation
<u>9-5/8"</u>	<u>750</u>	<u>Surface</u>	<u>40#</u>	<u>S.H.</u>	<u>Smls.</u>	<u>K-55</u>	<u>13-3/4"</u>	<u>550</u>	<u>Shoe</u>

PERFORATED CASING

(Size, top, bottom, perforated intervals, size and spacing of perforation and method.)

None

Was the well directionally drilled? No Electrical Log Depths Jacobs Formation Log 5952'-7527'
7531'-752' Schlumberger (Attach Copy of Log)
Dual Induction Laterlog

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR E. A. BENDER, OPERATOR FIELD Cheney Ranch
 Well No. "Silver Creek" 32X-32, Sec. 32, T. 14 S., R. 13 E., M. D. B. & M.
 Date November 15, 1973, 19 _____ Signed M. J. Frasch
P. O. Box 52
Bakersfield, Calif. 93302 (805) 831-7461 Title Agent
(Address) (Telephone Number) (President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form to report a full account of all important operations during the drilling and testing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be sure to include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, shooting and initial production data.

Date	DEPTH	
1973		
9-19	750'	Tiger Drilling, Contractor, spudded in at 4:00 A.M. with 13-3/4" bit using fresh water-gel mud.
9-20	750'	Cemented 20 joints used 9-5/8" A.P.I., 40#, K-55 seamless, 8 Vee, S.T. & C. casing at 750', including Baker open guide shoe and baffle stop top of shoe joint, with 450 sacks Class G cement pre-mixed with 8% gel, followed by 100 sacks Class G cement all treated with 3% CaCl ₂ . Displaced with 318 cu. ft. mud using one top rubber plug. Bumped plug on baffle at 731' at 500#. Had 120 cu. ft. cement returns. C.I.P. 2:35 A.M., B-J Cementers. Stood 6 hours. Landed casing, installed casing head and B.O.P.E. Tested head to 3000# and rams and Kelly cock to 1500#, O.K. Approved by Division of Oil & Gas.
9-21	1647'	Located top of plug 730'. Drilled out plug, baffle, shoe and ahead with 8-3/4" bit. Down 8 hours repairing equipment. Mud 70-71 lbs. Viscosity 40-42.
9-27	6555'	Drilling 8-3/4" hole. Jacobs Formation Logging Co. on 5952'. Mud 73., Viscosity 42-46.
9-29	7278'	Drilled 8-3/4" hole to 6951'. Reduced hole to 7-7/8" at 6951'. Mud 74, Viscosity 45-46.
9-30	402'	D.S.T. 7260'-7278': Set Lynes packer at 7260' with tail to 7278' using 4 1/2" dry drill pipe. Tool with 3/4" Sean open 30 minutes. Light blow throughout test. Recovered 5' drilling mud. I.S.I.P. 3814 p.s.i., I.F.P. 107 p.s.i., F.F.P. 89 p.s.i., F.S.I.P. 3814 p.s.i. Drilling ahead from 7278' with 7-7/8" bit.
10-1	7531' Plug 6956'	Schlumberger logged Dual-Induction Laterlog 7531'-752'. Plugged 7-7/8" open hole with 100 sacks Class G cement through 4 1/2" open end drill pipe hung at 7296'. Displaced with 540 cu. ft. mud with 25 cu. ft. water ahead. C.I.P. 10:45 A.M. Howco Cementers. Calculated top of cement at 6956'. Laying down drill pipe.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

Report on Operations

No. T 573-209

Mr. Merlin J. Frasch, Agent
E. A. BENDER, OPERATOR
P O Box 52
Bakersfield, CA 93302

Coalinga, Calif.
October 3, 1973

DEAR SIR:

Operations at well No. "Silver Creek" 32K, API No. 019-20776, Sec 32, T. 14S, R. 13E,
M D, B & M. Cheney Ranch Gas Field, in Fresno County, were witnessed
on October 2, 1973. Mr. E. V. Koorlels, representative of the supervisor was
present from 0930 to 1130. There were also present L. Connel, Foreman
(Tiger Drilling Co.)

Present condition of well: 9-5/8" cem. 750'; T. D. 7531'; plugged with cem. 7249'-6956',
1744'-1550' and 791'-633'+.

The operations were performed for the purpose of witnessing the plugging operations in the
process of abandonment.

DECISION: **THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.**

EVK:fd
cc: Company
C. F. Braun & Co.

JOHN F. MATTHEWS, JR.
State Oil and Gas Supervisor

By C. H. Cozmes Deputy

Cementing/Plugging Memo

T 593-209

Operator E. A. Bender, Op.
 Well No. "Silver Creek" 32X (019-20776) Sec. 32, T. 14S, R. 13E, M.O. B&M
 Field Cheney Ranch Gas, County Fresno. On Oct. 2, 1973
 Mr. E. V. Kaavlela, representative of the supervisor was present from 0930 to 1130.
 There were also present L. Connel, foreman (Tiger Drilling Co.)

Casing record of well: 9 5/8" cem 750'; T.D. 7531'; plugged with cem 7264'-6956', 1744'-1550' and 791'-633±

The operations were performed for the purpose of witnessing the plugging operations in the process of abandonment

The plugging/cementing operations as witnessed and reported are approved.

The location and hardness of the cement plug @ _____ ' is approved.

Hole size: 13 3/4" fr. surface' to 750', 8 3/8" to 6591' & 7 7/8" to 7531'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
9 5/8"	40	Surface	750	9-20-73	Pump 750	558.5A	220 cuft	720			
							Returns				

Casing/tubing recovered: _____ " shot/cut at _____', _____', _____' pulled fr. _____';
 _____ " shot/cut at _____', _____', _____' pulled fr. _____'.

Junk (in hole): _____

Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.

Cement Plugs		Placing		Placing Witnessed		Top Witnessed		
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt./Sample	Date & Time	Engr.
10-1-73	100 Sx	Pump 7296'			6956±	(Calculated value)		
10-2-73	100 Sx	" 1744'			1550	4000/lbs	10-2-73 1030	E.V. Kaavlela
10-2-73	60 Sx	" 791'	1100	E.V. Kaavlela	633±			

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P 573-177

Mr. Merlin J. Frasch, Agent
E. A. WENDER, OPERATOR
P. O. Box 52
Bakersfield, CA 93302

Coalinga Calif.
October 1, 1973

DEAR SIR:

Your proposal to abandon Well No. ⁽⁰¹⁹⁻²⁰⁷⁷⁶⁾ "Silver Creek" 32X,
Section 32, T. 14S., R. 13E., M.D.B. & M., Cheney Ranch Gas Field, Fresno County,
dated 10-1-73, received 10-1-73, has been examined in conjunction with records filed in this office.

DECISION: THE PROPOSAL IS APPROVED.

Blanket Bond
CFC:ef
cc: C. F. Braun & Co.

JOHN F. MATTHEWS, JR., State Oil and Gas Supervisor

By C. J. Corwin, Deputy

DRILL STEM TEST SERVICE REPORT

Field Cheney Formation _____
 Location _____ Job No. 31-167 Test No. 1 Customer Test No. _____
 County FRESNO State CALIF Net Feet of Pay _____ Elevation _____
 Division 31 District Bookersfield 31 Test Interval 7260 To 7278 T.D. 7278
 Address E.A. Bender Type Test FORMATION TEST
Box 52-16005 Union Bookersfield Customer's Representative E.A. Bender
 No. Reports To: _____ Lynes' Representative Tom Lorahn

TESTING TIME

Started in hole at 7:00 AM
 initial flow 30 Mins. Initial shut-in 30 Mins.
 Second flow _____ Mins. Second shut-in _____ Mins.
 Third flow _____ Mins. Third shut-in _____ Mins.

TEST DESCRIPTION	TIME
Opened tool for Initial First Flow	<u>11:45 AM</u>
Closed tool for First Shut-In	<u>12:15 P.M.</u>
Reopened tool for Second Flow	
Closed tool for Second Shut-In	
Opened for Third Flow	
Closed for Third Shut-In	
Unset	<u>12:45 P.M.</u>

MUD AND HOLE DATA

Mud Type <u>BBC-Polymer</u>	Top Packer OD <u>6 3/4</u>
Weight <u>74</u>	Bot Packer OD <u>6 3/4</u>
Viscosity <u>44</u>	Bot Hole Choke Size <u>3/4</u>
Water Loss <u>4.8</u>	Bot Hole Temp. _____
Filter Cake <u>2 1/2</u>	Caliper Hole Size _____
Hole Size <u>7 1/2</u>	Rat Hole Size _____
Casing Size <u>9 7/8</u>	Set At <u>750</u>
Drill Pipe Size <u>4 1/2" X.H.</u>	Weight _____ I.D. _____
Drill Collar Size <u>6"</u>	Feet Run _____ I.D. _____
Cushion <u>DBY</u>	Amount _____ Feet _____

TEST RECOVERY DATA

Flow			
TIME	SURF. CHOKE	PSIG/INCHES	AMOUNT
RECOVERY			
Test was not reversed out <u>NO</u>			
<u>5</u> Ft. of <u>Mud</u>			
Ft. of _____			
Ft. of _____			
Ft. of _____			
Ft. of _____			
Ft. of _____			
Oil recovery "API" _____			
Resistivity _____			
Pit Chlorides _____			
Test Chlorides _____			

REMARKS

BLOW: Med Blow Through OUT
TEST

CIRC SUB
2750CS
20 SUB
4-way SHUT IN
HYD TOOL
Recorder 7270
JARS
SAFETY Jt
W/BT PER 7250
W/BT PER 7260
S.T. L.H. Jt
CRF
CRF.
Recorder 7278

PRESSURE READINGS

DESCRIPTION	Inside # <u>2415</u>		Outside # <u>1738</u>		Cap.	Hrs.	Cap.	Hrs.
	Cap. <u>4400</u>	Hrs. <u>12</u>	Cap. <u>6000</u>	Hrs. <u>12</u>				
1. Initial Hydrostatic								
2. Initial First Flow	<u>3160</u>		<u>3914</u>				p.s.i.	p.s.i.
3. Final First Flow	<u>43</u>		<u>381</u>				p.s.i.	p.s.i.
4. First Shut-In			<u>2113</u>				p.s.i.	p.s.i.
5. Second Initial Flow							p.s.i.	p.s.i.
6. Second Final Flow							p.s.i.	p.s.i.
7. Second Shut-In							p.s.i.	p.s.i.
8. Third Initial Flow							p.s.i.	p.s.i.
9. Third Final Flow							p.s.i.	p.s.i.
10. Third Shut-In							p.s.i.	p.s.i.
11. Final Hydrostatic	<u>3765</u>		<u>3814</u>				p.s.i.	p.s.i.
	<u>4735</u>		<u>4265N</u>				p.s.i.	p.s.i.

E.A. Bender COMPANY
 SILVER CREEK TEST 31-167-1
 LEASE AND WELL NO. _____ TEST NO. _____ DATE OF TEST _____ 9-30-13

Operator: E. A. Bender
 Well: Silver Creek 32 x 32

Date: 9-30-73
 Sec: 32 T. 19-S R. 12E
 Elev. 382 Ground

OH C Test # 1 Interval: 7260 to 7278: 18 feet.
 Ticket # _____

Hole Condition: Good " Csg. to 750; 9 7/8 " to _____
 Tester: Leaves Packers: 6 3/4 " ; Top Pkr. 7250 ; Bottom Pkr. 7260
 Pressure Bombs: Type AK-1 ; Inside Bomb 7240 ; Chart No. 2418
 Outside Bomb 7278 ; Chart No. 1728

Tail Pipe: 1 1/2 " ; Length 18 feet; Perfs. 8 feet; Bottom 7278
 Beans: B.H.-Type D&S ; Size (s) 3/4 " ; Sur.-Type AJT
 Drill Collars: Length 17 1/2 feet; ID 2 1/2 " Drill Pipe: 1 1/2 E.H. "
 Cushion: Mud 1 ft. 6 bbls; Water 6 ft. _____ bbls; Air 6 ft.
 Volume Below Packer: _____ bbls.
 Mud: Weight 79 #/ft³; Vls. 42 sec; W.L. 5-6 cc/30; Salinity 70 g/g.

ISI: Opened _____ ; Closed _____ ; Time _____
 FLOW: Opened 11:45 ; Closed 12:15 ; Time 30 MIN.
 FSI: Opened 12:15 ; Closed 12:45 ; Time 30 MIN.

SWAGE FACTORS			
1/2"	6.4	1"	25.5
3/4"	14.3	1-1/4"	39.8

BLOW: N.G.T.S. G.T.S. 32 min.; mod. Blow

Time	Time Open	Swage	B.H.Bean	x	Sur.Bean	W.H.P.	S.P.	S.P. + 14#	MCF/D
				X					
				X					
				X					
				X					
				X					
				X					
				X					
				X					
				X					
				X					
				X					
				X					
				X					
				X					
				X					
				X					
				X					
				X					
				X					
				X					
				X					
				X					

PRESSURES: (Outside/Inside)
 Calculated IH: 3758 IH: 3816 / 3765 FH: 3819 / 3765
 Recorded Temperature: _____ ISI: _____ FSI: 2718 / 20
 Excess IH: _____
 Bean Sizes: "B.H." x "Sur." IF: 107 / 55 FF: 89 / 43
 "B.H." x "Sur." IF: _____ FF: _____
 RECOVERY: Total; 5.77 ft. 16 bbls. Net: _____ ft. _____ bbls.
 Description: oil Drilling Fluid

Salinities: _____
 REMARKS (Charts, Hole Condition, etc.): Block. Stop on Inside Bomb
Before Pulling Tester Loose.

GAS Sample: Taken NO Bomb NO Bottle NO Analyzed NO
 WATER Sample: Taken NO Analyzed NO
 WITNESSED BY: J. J. Conner

DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		114	121
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon Well No. "Silver Creek" 32X, API No. 019-20776, Sec. 32, T. 14S., R. 13E., M.D. B. & M., Cheney Ranch Gas Field, Fresno County, commencing work on October 1, 19 73.

The present condition of the well is:

- Total depth: 7,531'
- Complete casing record, including plugs and perforations:
9-5/8" casing cemented at 750'.
8-3/8" hole to 6,591'
7-7/8" hole to 7,531'
- Last produced Never
(Date) (Oil, B/D) (Gas, Mcf/D) (Water, B/D)
or
- Last injected _____
(Date) (Water, B/D) (Gas, Mcf/D) (Surface pressure)

Additional data for dry hole (show depths)

- Oil or gas shows
Minor gas show 7,253'-7,265'
- Stratigraphic markers:
- Formation and age at total depth: Cretaceous
- Base of fresh water sands: 1,750'

The proposed work is as follows:

- Pump in 100 sacks of cement through drill pipe at 7,300'.
- Pump in 100 sacks of cement through drill pipe at 1,750'. D.O.G. to witness top.
- Pump in 60 sacks of cement through drill pipe at 800'. D.O.G. to witness top.
- Place 25' cement plug from 29' to 4' and abandon location.

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address P. O. Box 52
(Street)
Bakersfield, CA 93302
(City) (State) (Zip)
Telephone Number (805) 831-7461

E. A. BENDER, OPERATOR
(Name of Operator)
By M. J. Frash 10-1-73
(Name) M. J. Frash, Agent (Date)
Type of Organization Individual
(Corporation, Partnership, Individual, etc.)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

Report on Operations

No. T 573-194

Mr. Merlin J. Frasch, Agent
E. A. BENDER, OPERATOR
P O Box 52
Bakersfield, CA 93302

Coalinga, Calif.
September 25, 1973

DEAR SIR:

Operations at well No. "Silver Creek" 32X, API No. (019-20776), Sec. 32, T. 14S, R. 13E,
M D, B & M. Cheney Ranch Gas Field, in Fresno County, were witnessed
on September 21, 1973. Mr. E. V. Kasriela, representative of the supervisor was
present from 0900 to 1000. There were also present L. Conell, Foreman
(Tiger Drilling Co.)

Present condition of well: 9-5/8" cen. 750', T.D. 1264' (drilling)

The operations were performed for the purpose of inspecting the blowout-prevention equipment and installation.

DECISION: **THE BLOWOUT-PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.**

EVK:fd

cc: C. F. Braun & Co.

JOHN F. MATTHEWS, JR.
State Oil and Gas Supervisor

By C. F. Conell Deputy

7573-194

Operator E.A. BEWLER, O.P.P.
 Well No. "Silver Creek" 32X (019-20776) Sec. 32, T. 145, R. 13E, M.D. B&M
 Field Chimney Branch, County Frazer. On Sept 21, 1977
 Mr. E.V. Kaayala, representative of the supervisor was present from 0900
 to 1000. There was also present L. Conell, Foreman (Tiger Drilling Co.)
 Casing record of well: 9 5/8" csm 750', T.D. 1264' (Drilling)

The operations were performed for the purpose of testing (inspecting) the blowout-prevention equipment and installation.

The blowout-prevention equipment and installation are (not) approved.

Hole size: 13 3/4" fr. Surface to 750', 8 3/8" to & to

X	Installed	Cemented			Tested		Date	Psi	Time
	Casing (BOPE Anchor)				Top of Fill				(Min.)
	Size WT.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing	
X	9 5/8 40	Surface	750	9-20-77	Ramp 750	550 cu	220 cu	720	
							Return		

* 450 cu class G 8% gel follow by 100 cu class G 3% CaCl₂

Types Enumerated		Mfg.-Model	Overhaul Date	Flange Bolt	Clamp Size	Psi Rating	Date	Psi	Time
Top to Bottom									
X	Annular	1							
X	Pipe rams	2					9-21-77	1500	15 min
X	Blind rams	3					"	"	"

Accessories

Type	Psi Rating	Size or Capacity
X Accumulator *	1500	150 gal
X Nitrogen bottle		7 bottles
X Mud pump *		.14 bbls/stroke
Standpipe gauge		N.A.
Check valve		
Inside BOP		
Kelly cock		N.A.
Spool		

X	Type	Psi Rating	Size or Capacity
	Choke line		
	Fill-up line		
	Kill line		
	Control lines		
	Rotating head	N.A.	N.A.
	Banjo box & blow line	N.A.	N.A.
	Muffler on blowline	N.A.	N.A.
	Pressure relief valve		

* Kaomey 150 gal - Max air input 200
 * Two National mud pumps G-350 Drilling Fluid Program and G-700 6" x 14"

Type	Weight	Water Loss	Cake	Viscosity	Storage
gel w/ lignite	70-74	10-12 cc to 4-6 cc/30 min		38-45	240 bbls

BOPE Control Stations	
Remote:	At Driller's sta
Remote:	At accumulator 75
Manual:	

Monitoring Devices	Alarm	
	Yes	No
Calibrated mud pit		X
Mud pit level indicator		X
Gas detector		X
Continuous (mud densimeter or) (temperature recorder)		X

Mud logger will monitor later

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P 573-172

Mr. Merlin J. Fresch, Agent
E. A. HENNER, OPERATOR
P. O. Box 52
Bakersfield, CA 93302

Coalinga Calif.
September 18, 1973

DEAR SIR:

Your proposal to drill Well No. (019-20776) "Silver Creek" 32X,
Section 32, T. 14S., R. 13W. E.D. B. & M., Cheney Ranch Gas Field, Fresno County,
dated 9/14/73, received 9/17/73, has been examined in conjunction with records filed in this office.

DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT:

1. The 9-5/8" surface casing shall be cemented with sufficient cement to fill back of this casing from the shoe to the ground surface.
2. Mud fluid of sufficient weight and proper consistency to prevent blowouts shall be used in drilling, and the column of mud fluid shall be maintained to the surface at all times, particularly while pulling the drill pipe.
3. Blowout-prevention equipment shall consist of Class IV or API Class 3M-BSFA. A copy of the requirements is enclosed.
4. For the protection of fresh waters, one of the following operations shall be performed:
 - a. Sufficient cement shall be used at the shoe of the production casing to fill back of this casing to above the base of the fresh water sands, or
 - b. The production casing shall be cemented through perforations at the base of the fresh water sands.
5. This Division shall be consulted regarding the cementing of additional casing before running it into the hole.
6. This Division shall be notified to witness:
 - a. A pressure test of the blowout-prevention equipment on the 9-5/8" casing string prior to drilling below the shoe of the casing.
 - b. A test of the water shut-off through four shot perforations immediately above the objective sand, prior to perforating the casing for production.

Note: Information on file in this office indicates that the base of the usable fresh water deposits should be encountered at a depth of approximately 1650'.

Blanket Bond
RAB:ef
cc: Company

JOHN F. MATTHEWS, JR., State Oil and Gas Supervisor
By C. J. Corwin, Deputy

DIVISION OF OIL AND GAS
Notice of Intention to Drill New Well
This notice and surety bond must be filed before drilling begins

019 20776

Bakersfield, Calif. September 14, 19 73

DIVISION OF OIL AND GAS

019 20776

In compliance with Section 3203, Division III, Article 4, Public Resources Code, notice is hereby given that it is our "Silver Creek"

intention to commence drilling well No. ~~E. A. Bender, Operator~~ 32X-32, Sec. 32, T. 14S,

R. 13E, M. D. B. & M., Cheney Ranch Gas Field, Fresno County.

Legal description of mineral-right lease, consisting of 160 acres, is as follows: (Attach map or plat to scale)

NW $\frac{1}{4}$ Section 32, T.14S., R.13E.

Do mineral and surface leases coincide? Yes No If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

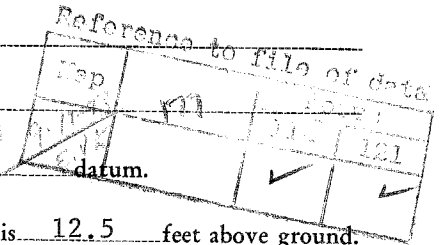
Location of Well: 1200 feet South along section line and 1650 feet East (Direction)

at right angles to said line from the N.W. corner of section 32

T.14S., R.13E.

Elevation of ground above sea level 382 feet datum.

All depth measurements taken from top of Kelly Bushing which is 12.5 feet above ground. (Derrick Floor, Rotary Table or Kelly Bushing)



PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
9-5/8"	40	J-55	Surface	750'	Shoe to Surface
Balance of casing program contingent on discovery of producing zone. Division to be advised before running casing.					

Intended zone(s) of completion: Cretaceous (Name) Estimated total depth 750' (Depth, top and bottom)

Blanket Bond

cc: C. F. Braun & Co., 1000 So. Fremont, Alhambra, California 91801
Attn: Lev Sacre

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address P. O. Box 52 E. A. Bender, Operator (Name of Operator)

Bakersfield, CA. 93302

By M. J. Frasch, Agent

Telephone Number (805) 831-7461 Type of Organization Individual (Corporation, Partnership, Individual, etc.)

Well Records for Artificial Penetration #14

Silver Creek #18

(API No. 1920804)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Coalinga, California

June 19, 1974

WILDCAT
1974 LIST

Mr. Merlin J. Frasc, Agent
E. A. BENDER, OPERATOR
P. O. Box 52
Bakersfield, CA 93302

DEAR SIR:

Your report of abandonment of Well No. "Silver Creek" 18 (019-20804),
Sec. 33, T. 14S, R. 13E, M.D. B. & M., --- field,
Fresno County, dated 4-5-74, received 4-8-74,

has been examined in conjunction with records filed in this office.

A review of the reports and records shows that the requirements of this Division,
which are based on all information filed with it, have been fulfilled.

Blanket bond
HJM:pf
cc: Company
cc: Conservation Committee

JOHN F. MATTHEWS, JR.
State Oil and Gas Supervisor

By C. J. Corwin
Deputy Supervisor

RECORDS RECEIVED

STATUS

DATE

Date Received 5-20-74
 Well Summary (Form 100)
 History (Form 103)
 Core Record (Form 101)
 Elec. Log - Lge. Small
 Direct. Survey
 Sidewall Samples
 Other Formation & Hydrocarbons

Producing - Oil _____
 Idle - Oil _____
 Abandoned - Oil _____
 Drilling - Idle _____
 Abandoned - Dry Hole
 Producing - Gas _____
 Idle - Gas _____
 Abandoned - Gas _____
 Gas - Open to Oil Zone _____
 Water Flood Source _____
 Water Disposal _____
 Water Flood _____
 Steam Flood _____
 Fire Flood _____
 Air Injection _____
 Gas Injection _____
 CO₂ Injection _____
 LPG Injection _____
 Observation _____

Notice of Records Due
 Form 170 _____

Date Final Records Received _____

ENGINEER'S CHECK LIST

1. Summary, History, & Core record (dupl.)
2. Electric Log
3. Operator's Name
4. Signature
5. Well Designation
6. Location
7. Elevation
8. Notices
9. "T" Reports
10. Casing Record
11. Plugs
12. Surface Inspection 6-19-74
13. Production _____

RECOMPLETED

CLERICAL CHECK LIST

1. Location change (F-165) _____
2. Elevation change (F-165) _____
3. Form 121
4. Form 159 (Final Letter)
5. Form 150b (Release of Bond) _____

RECORDS NOT APPROVED
 Reason: surf. & Emission

RECORDS APPROVED 6-18-74 jw

RELEASE BOND Blanket
 Date Eligible _____
 (Use date last needed records were received.)

MAP & MAP BOOK W5-2 6-18-74 jw

5-22-74
 Area has Not been cleared up. The casing has been cut about 4' below surface & capped with a metal plate. Cellar is open, sump has mud & oil in it & is not fenced. Area has not been restored.

6-19-74
Surface Inspection
 The area has been cleared & graded.

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR E. A. BENDER, OPERATOR FIELD Cheney Ranch

Well No. "Silver Creek" #18-33, Sec. 33, T. 14S, R. 13E, M. D. B. & M.

Date _____, 19____ Signed _____

(Address) _____ (Telephone Number) _____ Title _____ (President, Secretary or Agent) _____

It is of the greatest importance to have a complete history of the well. Use this form to report a full account of all important operations during the drilling and testing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be sure to include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, shooting and initial production data.

Date

BIT RECORD

No.	Size & Make	From	T.D.	Feet	Hours	Min.
1	13-3/4" HTC OSC3A	0'	768'	768'	6	0
2	8 1/2" SEC S3 Retip	768'	1819'	1051'	6	45
3	8 1/2" HTC OSC3A Retip	1819'	2396'	577'	6	30
4	8 1/2" SEC DSJ Retip	2396'	3234'	838'	13	30
5	8 1/2" Smith DT	3234'	3977'	743'	13	0
6	8 1/2" SEC S3J	3977'	4719'	742'	11	0
7	8 1/2" SEC S3J	4719'	5530'	811'	14	25
8	8 1/2" SEC S3J	5530'	5907'	377'	11	0
9	8 1/2" HTC OSC3J Retip	5907'	6461'	554'	14	45
10	8 1/2" HTC OSC3J Retip	6461'	6757'	296'	7	0
11	7-7/8" Smith DTJ	6757'	7283'	526'	15	0
12	7-7/8" Smith DTJ	7283'	7599'	316'	12	45
13	7-7/8" Smith DTJ	7599'	7908'	309'	10	30
14	8 1/2" Smith DTJ (open hole)	6757'	8000'	1243'	14	0
15	8 1/2" SEC S3J	8000'	8391'	391'	12	45
16	8 1/2" SEC S3J	8391'	8600'	209'	13	15
17	8 1/2" SEC S4J	8600'	8698'	98'	3	0

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR E. A. BENDER, OPERATOR FIELD Cheney Ranch

Well No. "Silver Creek" #18-13, Sec. 33, T. 14S, R. 13E, M. D. B. & M.

Date _____, 19____ Signed _____

(Address) _____ (Telephone Number) _____ Title _____ (President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form to report a full account of all important operations during the drilling and testing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be sure to include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, shooting and initial production data.

Date

DEVIATION RECORD

<u>Depth</u>	<u>Angle</u>	<u>Depth</u>	<u>Angle</u>
768'	0° 45'	4491'	3° 00'
1298'	1° 00'	5221'	1° 15'
2014'	0° 45'	5530'	2° 00'
2396'	0° 30'	5907'	0° 45'
2929'	1° 00'	6461'	0° 45'
3234'	1° 00'	6757'	Missing
3735'	2° 30'	7283'	3° 00'
3977'	1° 30'	7599'	Missing
		7908'	1° 45'
		8000'	1° 45'
		8391'	N.G.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

WELL SUMMARY REPORT

SUBMIT IN DUPLICATE

Operator E. A. BENDER, OPERATOR Well No. "Silver Creek" #18-33

Sec. 33, T. 14S., R. 13E., M. D. B. & M. Cheney Ranch Field Fresno County.

Location 330' North and 330" East from Southwest Corner, Section 33
(Give location from property or section corner, or street center lines)

Elevation of ground above sea level 379 feet

All depth measurements taken from top of Kelly Bushing which is 12 feet above ground.
(Derrick Floor, Rotary Table or Kelly Bushing)

In compliance with Sec. 3215, of the Public Resources Code, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date April 24, 1974 Signed M. J. Frasch
Fred Green M. J. Frasch
(Engineer or Geologist) (Superintendent) Title Agent
(President, Secretary or Agent)

Commenced drilling 3-23-74
Completed drilling 4-5-74
Total depth 8698' Plugged depth 1437'-1700'
Junk None " " 678'- 817'
8'- 35'

GEOLOGICAL MARKERS	DEPTH
<u>Top Cretaceous</u>	<u>7740'</u>

Abandoned 4-5-74

Geologic age at total depth: Cretaceous

Commenced producing None Flowing/gas lift/pumping
(Date) (Cross out unnecessary words)
Name of producing zone None

Initial production
Production after 30 days

Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
<u>None</u>					

CASING RECORD (Present Hole)

Size of Casing (A. P. I.)	Depth of Shoe	Top of Casing	Weight of Casing	New or Second Hand	Seamless or Lapweld	Grade of Casing	Size of Hole Drilled	Number of Sacks of Cement	Depth of Cementing if through perforations
<u>9-5/8"</u>	<u>768'</u>	<u>Surface</u>	<u>47#</u>	<u>S.H.</u>	<u>Smls.</u>	<u>J-55</u>	<u>13-3/4"</u>	<u>500</u>	

PERFORATED CASING

(Size, top, bottom, perforated intervals, size and spacing of perforation and method.)

None

Was the well directionally drilled? No Electrical Log Depths Jacob Mud Log: 4200'-8696'
Wexel 768'-7906' I-ES (Attach Copy of Log)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR E. A. BENDER, OPERATOR FIELD Cheney Ranch
 Well No. "Silver Creek" #18-33, Sec. 33, T. 14S, R. 13E, M. D. B. & M.
 Date April 18, 1974 Signed M. J. Frasch
M. J. Frasch
P. O. Box 52 Title Agent
Bakersfield, Ca. 93302 (805) 831-7461
 (Address) (Telephone Number) (President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form to report a full account of all important operations during the drilling and testing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be sure to include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, shooting and initial production data.

Date	DEPTH	REMARKS
1974 3-23	768'	Tiger Drilling, Contractor, spudded in 5:00 A.M. with 13-3/4" bit using fresh water-gel mud. Cemented 21 joints used 9-5/8" A.P.I., 47#, J-55, Seamless, 8 Vee, ST&C, casing at 768', including Baker open guide shoe with baffle plug stop at 731' with 450 sacks Class G Cement with 8% gel, followed by 150 sacks Class G cement treated with 3% CaCl ₂ . Displaced with 304 cu. ft. mud using one top rubber plug. Plug bumped on baffle at 731' at 500 p.s.i. Had 100 cu. ft. cement returns. Shut in at head 4:00 P.M., B-J Cementers. Stood 4 hours, then landed casing and test blowout equipment to 1500 p.s.i. Approved by Division of Oil and Gas.
3-24	2396'	Located top of plug 730'. Drilled out cement, shoe, and ahead with 8 1/2" bits. Mud 70 p.s.i., Viscosity 40-48.
3-28	5907'	Drilling 8 1/2" hole. Mud 72 p.s.i., Viscosity 44-46. Jacob Mud Logger on at 4200'. Measured out 5907'. No correction.
3-30	6757'	Drilled 8 1/2" hole to 6757'. <u>D.S.T. 6731'-6757'</u> . Lynes set 6 1/2" packers at 6724' and 6731' with tail to 6757' using 4 1/2" drill pipe. with 500' water cushion. Packers would not hold. No test. Drilled ahead with 7-7/8" bits.
4-2	7908'	Drilled 7-7/8" hole to 7908'. Mud 73 p.s.i., Viscosity 42-44. Wellex logged I-ES 7906'-768'. Opened 7-7/8" hole from 6757'-7908' with 8 1/2" bit and drilled ahead with 8 1/2" bits.
4-5	8698' Plug 1437' Plug 678'	Drilled 8 1/2" hole to 8698' Mud, 75 p.s.i., Viscosity 40-43. Plugged 8 1/2" open hole with 100 sacks Class G Cement and 4% gel, all treated with 3% CaCl ₂ thru open-end 4 1/2" drill pipe hung at 1700'. Displaced cement with 5 cu. ft. water and 100 cu. ft. Mud. C.I.P. 1:55 P.M., preceded cement with 25 cu. ft. water. Stood 4 hours. Location and hardness of plug at 1437', witnessed and approved by E. V. Kaarlala of Division of Oil & Gas. <u>PLUG NO. 2</u> : Plugged 8 1/2" open hole & 9-5/8" csg. with 50 sax Class G Cement with 4% gel treated with 3% CaCl ₂ , through 4 1/2" open-end drill pipe hung at 817.

Final MW = 75

DIVISION OF OIL AND GAS

History of Oil or Gas Well

OPERATOR E. A. BENDER, OPERATOR FIELD Cheney Ranch

Well No. "Silver Creek" #18-33, Sec. 33, T. 14S, R. 13E, M. D. B. & M.

Date _____, 19____ Signed _____

(Address)

(Telephone Number)

Title

(President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form to report a full account of all important operations during the drilling and testing of the well or during re-drilling, altering of casing, plugging, or abandonment with the dates thereof. Be sure to include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, shooting and initial production data.

Date	DEPTH	REMARKS
1974		
4-5 (Cont'd)	8698' Plug 1437' Plug 678'	Displaced cement with 5 cu. ft. water and 45 cu. ft. mud. C.I.P. 6:00 P.M. Cementing operations witnessed by E. V. Kaarlela of Division of Oil and Gas. Stood 4 hours. Located top of plug at 678'.
4-6	8698' Plug 1437' Plug 678'	Plugged top of 9-5/8" casing below plow depth with 25' cement and welded on steel cap. WELL ABANDONED. Crew released 2:00 A.M.

May 24, 1974

Mr. Merlin J. Frasch, Agent
E. A. Bender, Operator
P. O. Box 52
Bakersfield, CA 93302

Dear Sir:

On May 22, 1974, an engineer from this office visited your wells No. "Silver Creek" 18, Sec. 33, T. 14 S., R. 13 E., M.D.B. & M., and No. "Silver Creek" 64, Sec. 24, T. 14 S., R. 12 E., in Fresno County, and noted that the locations have not been cleaned up.

It was also noted that there are open cellars, an open rat hole, and drilling sumps that have not been filled in.

Please inform this office of your intentions to rectify the above conditions and complete the abandonment of these wells.

Yours truly,



C. H. CORWIN
Deputy Supervisor

HJM/ef

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

Report on Operations

No. T 574-69

Mr. Merlin J. Frasch, Agent
E. A. BENDER, OPERATOR
P. O. Box 52
Bakersfield, CA. 93302

Coalinga, Calif.
April 9, 1974

DEAR SIR:

Operations at well No. "Silver Creek" 18, API No. (019-20804), Sec. 33, T. 14S, R. 13E,
M.D., B & M. --- Field, in Fresno County, were witnessed
on April 5, 1974. Mr. E. V. Kaarlela, representative of the supervisor was
present from 1630 to 1800. There were also present A. Sexton, foreman (Tiger
Drilling Co.)

Present condition of well: 9 5/8" cem. 768'. T. D. 8698, plugged with cem. 1700'-
1437', and 817'-638#.

The operations were performed for the purpose of witnessing the plugging operations in
the process of abandonment.

DECISION: **THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.**

EVK:pf
cc. Company

JOHN F. MATTHEWS, JR.
State Oil and Gas Supervisor

By C. J. Corussi Deputy

Cementing/Plugging Memo

Operator E.A. Bender, Opr.

Well No. "Silver Creek" 18 (019-20804)

Sec. 33, T. 14S., R. 13E., M.D. B&M

Field _____, County Fresno

On April 5, 1974

Mr. E.V. Kaarlela, representative of the supervisor was present from 1630 to 1800.

There were also present A. Sexton, Foreman (Tiger Drilling Co.)

Casing record of well: 9 5/8" cem 768' - T.D. 8698, plugged with cem. 1700' - 1437', and 817' - 638'±.

The operations were performed for the purpose of witnessing the plugging operations in the process of abandonment

Caps The plugging/cementing operations as witnessed and reported are approved.

The location and hardness of the cement plug @ _____' is approved.

Hole size: 8 1/2" fr. 768' to 8698', _____" to _____' & _____" to _____'

Casing			Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: _____" shot/cut at _____', _____', _____' pulled fr. _____';
_____ " shot/cut at _____', _____', _____' pulled fr. _____'.

Junk (in hole): _____

Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.

Cement Plugs*		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt./Sample	Date & Time	Engr.
4-5-74	100sx	Pump 1700'			1437	8000 lbs	4-5-74 1700	E.V. Kaarlela
4-5-74	50sx	" 817'	1730	E.V. Kaarlela	638'±			

* Class G premixed with 9% gel and 2% CaCl₂

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P 574-60

Mr. Merlin J. Frasch, Agent
E. A. BENDER, OPERATOR
P. O. Box 52
Bakersfield, CA. 93302

Coalinga Calif.
April 8, 1974

DEAR SIR:

Your proposal to abandon Well No. (019-20804) "Silver Creek" 18
Section 33 T. 14S, R. 13E M. D. B. & M., --- Field, Fresno County,
dated 4-5-74, received 4-8-74, has been examined in conjunction with records filed in this office.

DECISION: THE PROPOSED WORK, ALREADY COMPLETED IN ACCORDANCE WITH PRIOR AGREEMENT, IS APPROVED.

CHC:pf
cc; Company

JOHN F. MATTHEWS, JR., State Oil and Gas Supervisor

By C. J. Corwin, Deputy

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin; one copy only

Bakersfield Calif. April 5, 1974

DIVISION OF OIL AND GAS

In compliance with Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon Well No. "Silver Creek" 18, Sec. 33, T. 14 S., R. 13 E., M. D. B. & M., -- Field, Fresno County, commencing work on April 5, 1974.

The present condition of the well is:

1. Total depth: 8698'
2. Complete casing record, including plugs:
9-5/8" casing cemented at 768'.
Drilled 8 1/2" hole to 8698'

Reference to file of data

Map	card	111	121
	✓	✓	✓

3. Last produced Never
(Date) (Oil, B/D) (Gas, Mcf/D) (Water, B/D)

Additional data for dry hole

4. Oil or gas showings and results of tests:

None

5. Stratigraphic markers and depths:

6. Age of formation at bottom: Cretaceous
7. Base of fresh water sands: 1680'

DIVISION OF OIL AND GAS
RECEIVED
APR 8 1974
CORNER CALIFORNIA

The proposed work is as follows:

1. Fill hole with heavy drilling mud.
2. Plug 8 1/2" open hole with 100 sacks of cement thru 4 1/2" drill pipe hanging at 1700', calculated top of plug at 1375'. Division of Oil & Gas to witness location and hardness of cement plug.
3. Plug 8 1/2" open hole and 9-5/8" surface casing with 55 sacks of cement thru 4 1/2" drill pipe hanging at 800', calculated to fill to 635'. Division of oil and Gas to witness cementing operations.
4. Place a 25' cement plug at surface, weld a steel plate on top of 9-5/8" casing and abandon well.

Note: Above confirms telephone conversation on 4-5-74 between Eric Kaarlela, Division of Oil & Gas, and Ralph A. McGoey, engineer for Bender.

P. O. Box 52
Bakersfield, Ca. 93302

(Address)

(805) 831-7461

(Telephone No.)

E. A. BENDER, OPERATOR

(Name of Operator)

By M. J. Frasch
M. J. Frasch, Agent

MEMORANDUM OF TELEPHONE OR PERSONAL CONVERSATION
(Proposed Well Operations)

Operator E.A. Bender, Opr. Well No. "Silver Creek" 18

Field Fresno Co. Sec. 33 T. 14 S R. 13 E M.D. B&M
personal

A telephone conversation was held, concerning above well, with Mr. E. McGoy

Engineer for above operator April 5 1974, at 0900 AM.

Details of the conversation were as follows:

Total depth 8696 Plugs None

Casing record 9 5/8" cem 750'

Oil or gas showings None

Results of tests Negative

Stratigraphic markers _____

Geologic age at bottom _____ Base of fresh water 1680'

Operator proposes the following work:

1. Plug from 1700' - 1375' 100 sx
2. Plug from 800' - 650' 55 sx

Additional requirements outlined:

Test of W.S.O. to be witnessed by D.O.G. at _____ By operator at _____

Plugs to be located by D.O.G. at 1600' or above By operator at 700' or above

Notice to be filed immediately (Yes () Not necessary

Other data D.O.G. to witness placing of shoe plug

(Signed) E.V. Kaanala

Title Ass. O.I. & Gas Eng.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

Report on Operations

No. T 574-56

Mr. Merlin J. Frasch, Agent
E. A. BENDER, OPERATOR
P O Box 52
Bakersfield, CA 93302

Coalinga, Calif.
March 26, 1974

DEAR SIR:

Operations at well No. "Silver Creek" 18, API No. 019-20804, Sec. 33, T. 14S, R. 13E,
M D, B & M. ---- Field, in Fresno County, were witnessed
on March 24, 1974. Mr. J. Miller, representative of the supervisor was
present from 0930 to 1030. There were also present R. Collins, Drilling Foreman

Present condition of well: 9-5/8" cem. 768'. (T.D. drilling 1232')

The operations were performed for the purpose of inspecting the blowout-prevention
equipment and instalation.

DECISION: **THE BLOWOUT-PREVENTION EQUIPMENT AND INSTALLATION ARE APPROVED.**

JM:fd
cc: Company

JOHN F. MATTHEWS, JR.
State Oil and Gas Supervisor

By C. J. Collins Deputy

BOPE Memo

T574-56

Operator E. A. Bender, Operator
 Well No. "Silver Creek" 18 (019-20804) Sec. 33, T. 14^S, R. 13^E, MD B&M
 Field _____, County Fresh. On March 24, 1974
 Mr. J. Miller, representative of the supervisor was present from 0930
 to 1030. There was also present R. Collins, Drilling Foreman
 Casing record of well: 9 5/8" cem. 768'. (T.D. Drilling 12.32')

The operations were performed for the purpose of ~~testing~~ (inspecting) the blowout-prevention equipment and installation.

The blowout-prevention equipment and installation are ~~(not)~~ approved.

Hole size: 13 3/4" fr. Surf. to 768', 8 1/2" to _____' & _____" to _____'

X	Installed			Cemented	Tested		Date	Psi	Time (Min.)	
	Casing (BOPE Anchor)				Top of Fill					
	Size	Wt.	Top	Bottom	Date	Mo-Depth	Volume	Annulus	Casing	
X	9 5/8	44#	Surf.	768'	3-23-74	768	570 5/8	Surface	—	—

Blowout Preventers

X	Types Enumerated		Mfg.-Model	Overhaul Date	Flange Bolt	Clamp Size	Psi Rating	Psi Tested	Time Tested
	Top	Bottom							
X	Annular		Hyal-11	—	—		3000	1500#	15 min.
X	Pipe rams		5/8" FEET	—	—		✓	✓	✓
X	Blind rams		5/8" FEET	—	—		✓	✓	✓

Accessories

X	Type	Psi Rating	Size or Capacity
X	Accumulator		
X	Nitrogen bottle		3 ea.
X	Mud pump		
X	Standpipe gauge		N.A.
X	Check valve		
X	Inside BOP		
X	Kelly cock		N.A.
X	Spool		

X	Type	Psi Rating	Size or Capacity
	Choke line		
X	Fill-up line	3000	2"
X	Kill line	✓	✓
	Control lines		
	Rotating head	N.A.	N.A.
	Banjo box & blow line	N.A.	N.A.
	Muffler on blowline	N.A.	N.A.
	Pressure relief valve		

Drilling Fluid Program

Type	Weight	Water Loss	Cake	Viscosity	Storage

BOPE Control Stations	
Remote:	<u>SENNICK FLOOR</u>
Remote:	_____
Manual:	<u>✓</u> <u>50</u>

Monitoring Devices	Alarm	
	Yes	No
Calibrated mud pit		
Mud pit level indicator		
Gas detector		
Continuous (mud densimeter or) (temperature recorder)		

DIVISION OF OIL AND GAS

REPORT ON PROPOSED OPERATIONS No. P 574-37

Mr. Merlin J. Frasch, Agent
E. A. HENDER, OPERATOR
P. O. Box 52
Bakersfield, CA 93302

Coalinga Calif.
February 21, 1974

DEAR SIR:

(019-20804)

Your proposal to drill Well No. "Silver Creek" 18,
Section 33, T. 14S, R. 13E, M.D.B. & M., Field, Fresno County,
dated 2-18-74, received 2-21-74, has been examined in conjunction with records filed in this office.

DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT:

1. The 9-5/8" surface casing shall be cemented with sufficient cement to fill back of this casing from the shoe to the ground surface.
2. Mud fluid of sufficient weight and proper consistency to prevent blowouts shall be used in drilling, and the column of mud fluid shall be maintained to the surface at all times, particularly while pulling the drill pipe.
3. Blowout-prevention equipment shall consist of Class IV or API Class 3M-RSRA. A copy of the requirements is enclosed.
4. In the event that additional casing is cemented in the hole, one of the following operations shall be performed for the protection of fresh waters:
 - a. Sufficient cement shall be used at the shoe of the casing to fill back of this casing to above the base of the fresh water sands, or
 - b. The casing shall be cemented through perforations at the base of the fresh water sands.
5. This Division shall be consulted regarding the cementing of the additional casing before running it into the hole.
6. This Division shall be notified to witness:
 - a. A pressure test of the blowout-prevention equipment on the 9-5/8" casing string prior to drilling below the shoe of the casing.
 - b. A test of the water shut-off through four shot perforations immediately above the objective sand, prior to perforating the casing for production.

Note: Information on file with this office indicates that the base of the usable fresh water deposits should be encountered at a depth of approximately 1650'.

Blanket Bond
CHC:ef
cc: Company

JOHN F. MATTHEWS, JR., State Oil and Gas Supervisor
By C. J. Corwin, Deputy

P574-37

019-20804

DIVISION OF OIL AND GAS
Notice of Intention to Drill New Well

13

This notice and surety bond must be filed before drilling begins

_____ Bakersfield, Calif. _____ February 18, 1974

DIVISION OF OIL AND GAS

019 20804

In compliance with Section 3203, Division III, Article 4, Public Resources Code, notice is hereby given that it is our intention to commence drilling well No. Silver Creek #18-33, Sec. 33 18, T. 14S, R. 13E, M. D. B. & M., Cheney Ranch Field, Fresno County.

Legal description of mineral-right lease, consisting of 160 acres, is as follows: _____
(Attach map or plat to scale)

Southwest quarter Section 33 14S/13E M. D. B. & M.

Do mineral and surface leases coincide? Yes No _____ If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.

Location of Well: 330' feet North along ~~PROPERTY~~ section line and 330' feet East
(Direction) (Direction)

at right angles to said line from the Southwest corner ~~property~~ corner of section 33

Elevation of ground above sea level 379 feet U.S.G.S. (Topo) datum.

All depth measurements taken from top of Kelly bushing which is 12 feet above ground.
(Derrick Floor, Rotary Table or Kelly Bushing)

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS
9 5/8	47#	J-55 Used	Surface	750	Cement shoe to surface
Balance of casing program contingent on finding productive zone.					
D.O.G. to be advised before running additional casing.					

Intended zone(s) of completion: Moreno (cretaceous) 7200' + ?? Estimated total depth 7500'
(Name) (Depth, top and bottom)

Blanket Bond #1-631-413 (Ohio Casualty)

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address P. O. Box 52

E. A. Bender, Operator
(Name of Operator)

Bakersfield, CA/ 93302

By M. J. Frasch
M. J. Frasch

Telephone Number 871-7461

Type of Organization Individual
(Corporation, Partnership, Individual, etc.)

