STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501

FORM C-108
Revised 7-1-81

JUL 6 1984

RECEIVED

APPLICATION FOR AUTHORIZATION TO INJECT

I. Purpose: ☐ Secondary Recovery ☐ Pressure Maintenance ☒ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no

II. Operator: Sun Exploration and Production Company

Address: P.O. Box 1861, Midland, Texas 79702

Contact party: Dee Ann Kemp Phone: 915 688-0374

III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? ☒ yes ☐ no
If yes, give the Division order number authorizing the project R-6646 Order.

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

* VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

* X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)

* XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Dee Ann Kemp Title Associate Acctg.

Signature: Dee Ann Kemp Date: 6-23-84

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

(1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

(1) The name, address, phone number, and contact party for the applicant;

(2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;

(3) the formation name and depth with expected maximum injection rates and pressures; and

(4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE H/S BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Well Name: State C A/C 1 #3- Sun
Field: Bagley Siluro Devonian
Location: Unit Ltr. L, 1980' FSL & 660' FWL
Section 2, T-12-S, R-33-E

Spud date: 4-22-50 Completion date: 8-11-50
TD: 11370' PBTD:

Casing & Cementing Data:
Surface casing: 13-3/8", 324' CS, 350 sxs, circ cmt.

Inter. casing: 9-5/8", 3894' CS, 2700 sxs, circ cmt.

Prod. casing: 5½", 11304' CS, 200 sxs, TOC 9980'

Completion record-
Initial Comp: 10307-10,845 Penn

Initial Potential: 1080 bbls Oil, 27 MCF, GOR 25/1

Present Comp:

Present well class: Salt Water Disposal Well

Well Name: State BTD # 1- Amerada
Field: Bagley Strawn
Location: Unit Ltr N, 660' FSL & 1980' FWL
Section 2, T-12-S, R-33-E, Lea County, NM

Spud date: 8-8-49 Completion date: 12-3-49
TD: 10,980' PBTD:

Casing & Cementing Data:
Surface casing: 13-3/8", 290' Cs, 225sxs

Inter. casing: 8-5/8", 3880' CS, 1500 sxs

Prod. casing: 5½", 10980' CS, 600 sxs

Completion record-
Initial Comp: 10980-10995'

Initial Potential: Flowed 423.66 bbls oil, .4% BS & .4% water in 11½ hrs. Gas volume 27,360 cu.ft. per day, GOR 32, Corrected gravity 45.5 on ½" pos. choke

Present Comp:

Present well class: well plugged 5-30-73

Well Name: State C A/C 1 #6 Sun
Field: Bagley Penn
Location: Unit Ltr. F, 2050' FNL and 2050' FWL
Sec. 2, T-12-S, R-33-E, Lea County, NM

Spud Date: 12-6-52 Completion Date: 2-8-53
TD: 9171' PBTD:

Casing and Cementing Data:
Surface Casing: 13 3/8", 48#, 303', 350 Sxs Cmt.

Inter. Casing: 9 5/8", 36#, 2476', 706 Sxs Cmt.

Prod. Casing: 7", 23# & 26#, 9171', 250 Sxs Cmt.

Completion Record:
Initial Comp: Perfs 8996'-9016'

Initial Potential: 13 Bo, 0.5 BW, GOR 12,561

Present Comp.: Same as initial Comp.

Present Well Class: Ta'd

WELL COMPLETION SKETCHES SUN-5036-4-A Amerada

WELL	FIELD	DATE
State BTD #1	N. Bagley	6/26/84

☒ PRESENT COMPLETION ☐ SUGGESTED COMPLETION

PERMANENT WELL BORE DATA

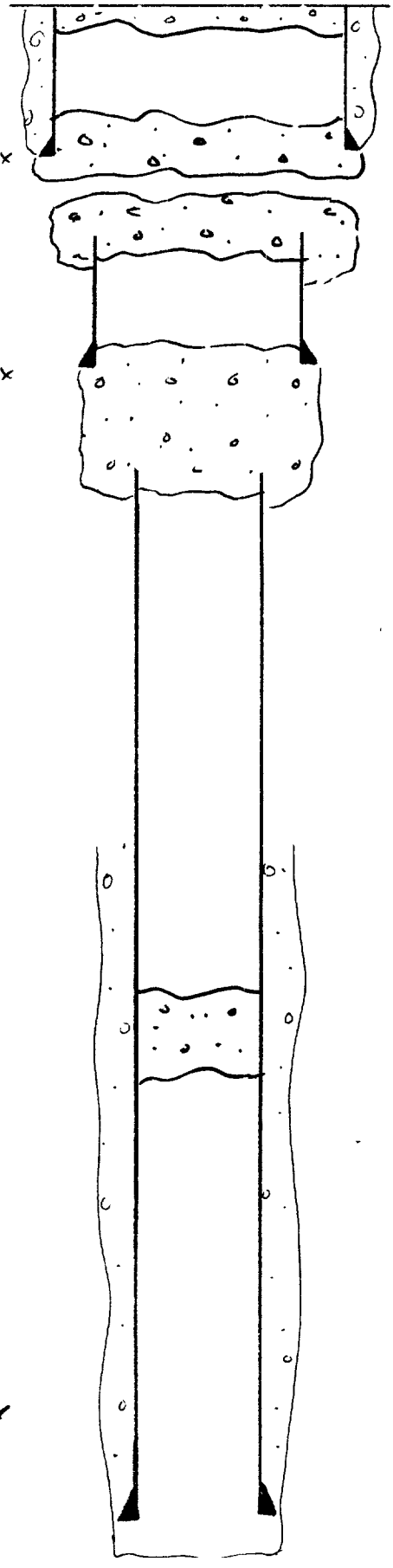
Loc: 660 FSL, 1980 FWL, Sec 2
T-12-S, R-33-E.

13 3/8" @ 290', cmtd w/ 225sx

8 5/8" @ 3880', cmtd w/ 1500sx

5 1/2" @ 10980', cmtd w/ 600sx

O.H. 10980' - 10995'



DATA ON THIS COMPLETION

Spotted 20sx plug @ surface

Spotted 70sk plug from 235 to 309'.

Cut off 8 5/8 csg @ 647' and Spotted 70sk plug from 700' to 565'.

Cut off 5 1/2" csg @ 3992' Spotted 70sk plug from 4030' - 3820'.

Spotted 50sk plug from 8790' - 9190'

Well Name: State BT "I" #2-Amerada
Field: Bagley Pennsylvanian
Location: Unit Ltr K, 1980' FWL & 1980' FSL,
Section 2, T-12-S, R-33-E, Lea County, NM

Spud date: 8-18-51 Completion date: 10-13-51
TD: 9458' PBTD:

Casing & Cementing Data:
Surface casing: 13-3/8", 299' CS, 225 sxs

Inter. casing: 8-5/8", 3795' CS, 1500 sxs

Prod. casing: 5½", 9458' CS, 600 sxs

Completion record-
Initial Comp: 9025-9060 Perfs Penn

Initial Potential: Flowed 339.24 bbl oil, 0 BS, 0 water in 24 hrs through ¼" choke, TP 1200#, CP 800# (Packer) Gravity 45.4, Gas volume 659,000 cu.ft. per day, GOR 1943

Present Comp:

Present well class: well plugged 3-19-73

Loc: 1780 FNL, 1980 FEL
Sec 2 T-12-S, R-33-E

WELL COMPLETION SKETCHES SUN-5036-4-A Amerada

WELL	FIELD	DATE
State BTI #2	N. Bagley	6/28/84

☒ PRESENT COMPLETION ☐ SUGGESTED COMPLETION

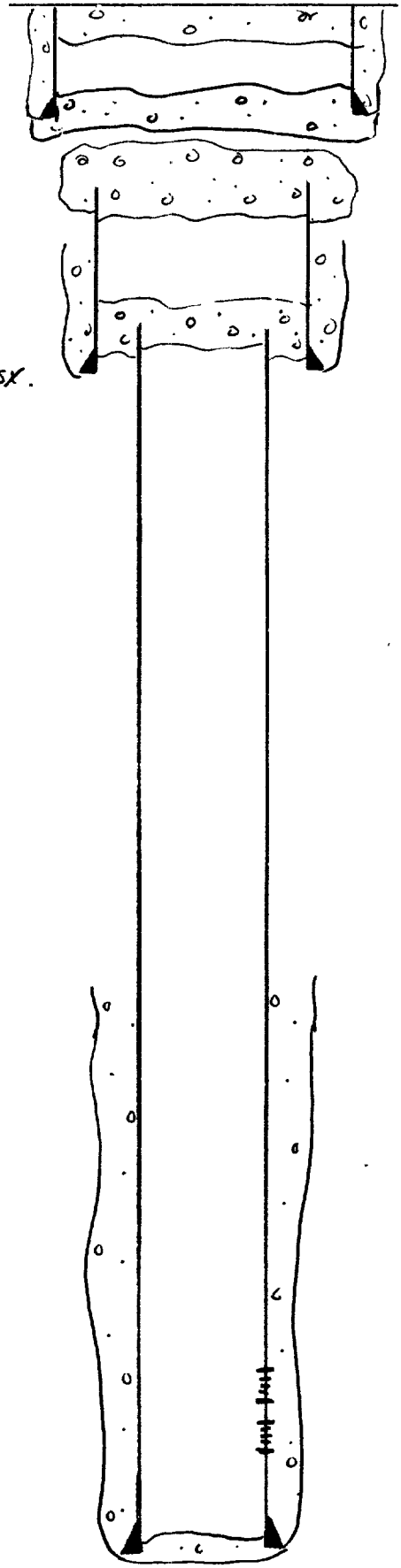
PERMANENT WELL BORE DATA

13 3/8" @ 299', cmtd w/ 225 sx.

8 5/8" @ 3795', cmtd w/ 1500 sx.

5 1/2" csg @ 9458', cmtd w/ 600 sx.

TD - 9458' PBTD - 9401'



DATA ON THIS COMPLETION

Spotted 20 sx at surface
Spotted cmt plug from 350 - 250'

Cut 8 5/8 csg @ 518', spotted 75 sx from 565' - 465'.

Cut 5 1/2 csg @ 3195'. Spotted 35 sk plug from 3265' - 3165'

Penn Perfs
9025' - 9045'
9052' - 9060'

Well Name: State BT "D" #4-Amerada
Field: Bagley Pennsylvanian
Location: Unit Ltr. N, 1980' FWL & 560' FSL
Section 2, T-12-S, R-33-E, Lea County, NM

Spud date: June 13, 1951 Completion date: Aug. 9, 1951
TD: 9100' PBTD:

Casing & Cementing Data:
Surface casing: 13-3/8", 300' CS, 225 sxs cmt

Inter. casing: 8-5/8", 3825' CS, 1500 sxs cmt

Prod. casing: 5½", 9100' CS, 600 sxs cmt

Completion record-
Initial Comp: Perfed Penn 9045'-9055'

Initial Potential: N/A

Present Comp:

Present well class: Well plugged 12-19-79

Sec 2, T-12-S, R-33-E

WELL COMPLETION SKETCHES SUN-5036-4-A (Amerada)

WELL	FIELD	DATE
State BT "D" #1	N. Bagley Penn	6/25/84

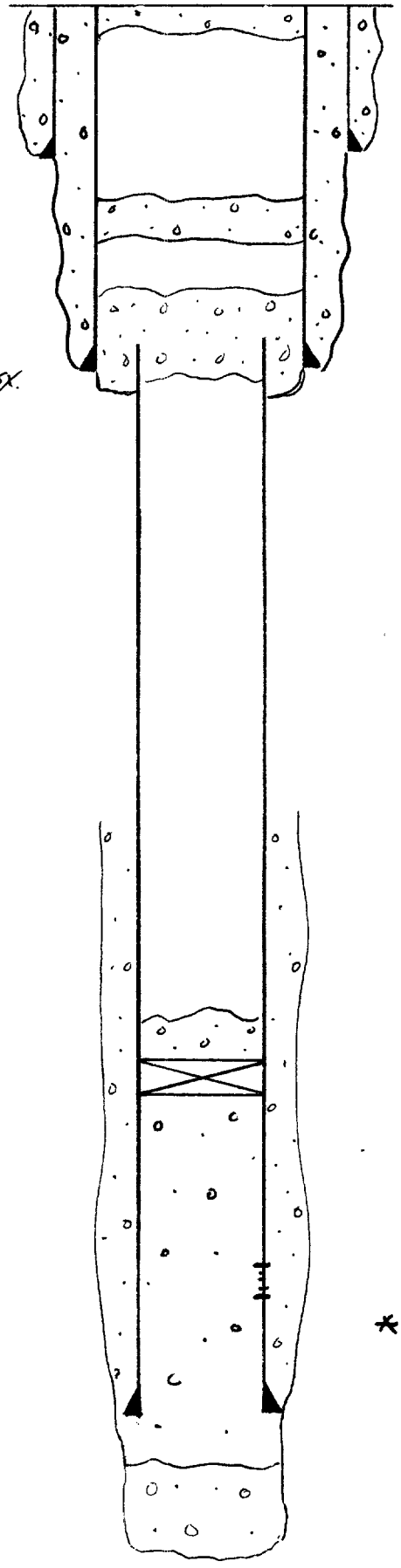
☒ PRESENT COMPLETION ☐ SUGGESTED COMPLETION

PERMANENT WELL BORE DATA

GL - 4237

13 3/8" 36# @ 300', cmtd w/ 285 sx

8 5/8" @ 3825', cmtd w/ 1500sx.



DATA ON THIS COMPLETION

Spotted 10sk cmt plug at surf.

Spotted 30 sk plug from 1840 - 1733'.

Cut off 5 1/2" csg at 3677'.
Spotted 70 sk cmt plug from 3882 - 3585'.

Top of cmt - 6377' on CMT Retainer.
Set cmt ret @ 6427'

Penn Perfs 9045 - 55

* Sqzd off perfs and O.H. w/ 400 sx cmt.

TD - 9500' PBTD - 9100'

Well Name: W.E. Mathers #2-Amerada
Field: Bagley Pennsylvanian
Location: Unit Ltr P, 660' FEL & 660' FSL
Section 3, T-12-S, R-33-E, Lea County, NM

Spud date: 1-21-51 Completion date: 3-29-51
TD: 9460' PBTD:

Casing & Cementing Data:
Surface casing: 13-3/8", 297' CS, 225 sxs

Inter. casing: 8-58/8", 3870' CS, 1500 sxs

Prod. casing: 5½", 9460' CS, 600 sxs

Completion record-
Initial Comp: 8650'-8705' Penn

Initial Potential: Flowed 393.72 bbls oil, 1.19 bbls BS & 2.39 bbls water in 12 hrs through ½" choke, T.P. 700#, C.P. 500#, gas volume 818,360 cu.ft. per day, GOR 1039, corrected gravity 46.

Present Comp: same

Present well class: TA'd

Well Name: J.T. Caulde #4-Amerada
Field: Bagley Pennsylvanian
Location: 1980' FEL & 660' FSL Unit Ltr. "O"
Section 3, T-12-S, R-33-E, Lea County, NM

Spud date: 5-17-51 Completion date: 7-16-51
TD: 9500' PBTD:

Casing & Cementing Data:
Surface casing: 13-3/8", 297' CS, 225 sxs

Inter. casing: 8-5/8", 3790' CS, 1500 sxs

Prod. casing: 5½", 9500' CS, 600 sxs

Completion record-
Initial Comp: 9014-9034' Perfs- Penn

Initial Potential: N/A

Present Comp: same

Present well class: TA'd

Well Name: J.T. Caulde #3-Amerada
Field: Bagley Pennsylvanian
Location: 660' FNL & 660' FEL, Section 10, T-12-S, R-33-E, Lea County, NM Unit Ltr. A

Spud date: 4-9-51 Completion date: 6-4-51
TD: 9477 PBTD:

Casing & Cementing Data:
Surface casing: 13-3/8", 299' CS, 225 sxs

Inter. casing: 8-5/8", 3805' CS, 1500 sxs

Prod. casing: 5½", 9477' CS, 600 sxs

Completion record-
Initial Comp: 9000-9045' Perf. Penn

Initial Potential: Flowed 307.59 bbls oil, .41 bbl BS, & 8.32 bbls water in 24 hrs. through ½" choke, TP 150#, CP 25#, Gas volume 550,290 cu.ft. per day, GOR 1789.

Present Comp:

Present well class: Well plugged 2-5-74

WELL COMPLETION SKETCHES SUN-5036-4-A (Amerada)

WELL	FIELD	DATE
J.T. Caudle #3	N. Bagley	6/20/84

☒ PRESENT COMPLETION ☐ SUGGESTED COMPLETION

PERMANENT WELL BORE DATA

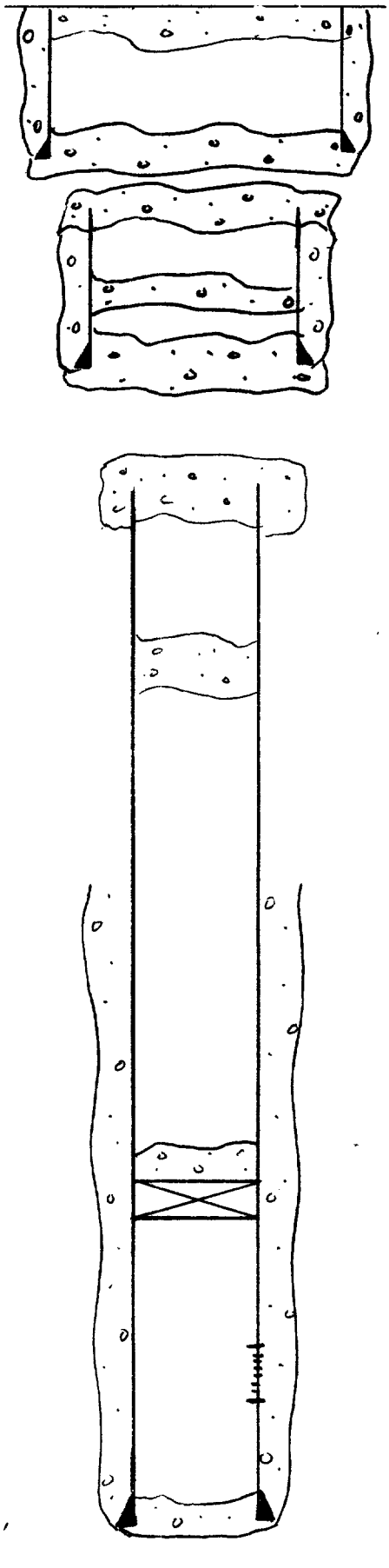
LOC: 660 FNL, 660 FEL, Sec 10, T-12-S, R-33-E.

13 3/8 @ 299', cmtd w/ 225 sx

8 5/8" @ 3805', cmtd w/ 1500 sx

5 1/2" csg @ 9477' cmtd w/ 600 sx

TD - 9477' PBTD - 9392'



DATA ON THIS COMPLETION

Set 10 sx cmt plug at surf.

Spotted 100' cmt plug @ 350'

Cut 8 5/8 csg @ 850'

Spotted 100' cmt plug @ 1700'.

Spotted 100' cmt plug @ 3775'.

Cut off 5 1/2" csg @ 4275'

Spotted 100' cmt plug at 4300'.

Spotted 100' cmt plug at 6600'.

CIBP @ 8900' w/ 35' cmt on top.

Penn Perfs 9000'-9045'

Well Name: Simmons #1-Amerada
Field: Bagley Penn
Location: Unit Ltr. E, 1980' FNL & 510' FWL,
Section 11, T-12-S, R-33-E, Lea County, NM

Spud date: 7-15-71 Completion date: 8-25-71
TD: 10,050 PBTD: 9961.5'

Casing & Cementing Data:
Surface casing: 12-3/4", 34#, 385' CS, 300 sxs

Inter. casing: 8-5/8", 24# & 32#, 3800' CS, 375 sxs

Prod. casing: 4½", 11.6#, 10050' CS, 600 sxs

Completion record-
Initial Comp: 9379-9463- Strawn

Initial Potential: 24 hrs. 18/64" choke, 296 oil, 444 mcf, 50 wtr, 1500 GOR

Present Comp:

Present well class: well plugged 11-6-72

Loc: 1980 FNL, 510 FWL,
Sec 11 T-12-S R-33E

WELL COMPLETION SKETCHES SUN--5036-4-A Western States

WELL	FIELD	DATE
Simmons #1	N. Bagley	6/28/84

☒ PRESENT COMPLETION ☐ SUGGESTED COMPLETION

PERMANENT WELL BORE DATA

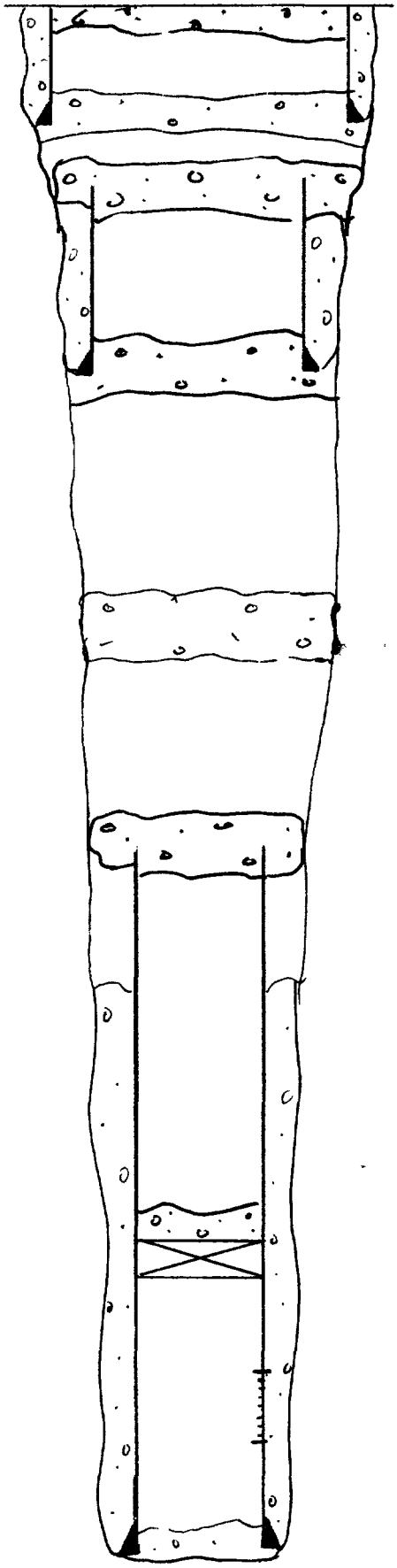
GL - 4424

12 3/4" @ 335', cmtd w/ 300 sx

8 5/8" @ 3800', cmtd w/ 375 sx

4 1/2" @ 10050', cmtd w/ 600 sx

TD - 10050' PBTD - 9961'



DATA ON THIS COMPLETION

Set 10 sk plug at surface

Set 50 sk plug from 443 - 325

Cut off 8 5/8 csg @ 1100'; Set 50 sk plug from 1050 - 1150

Set 50 sk plug @ 3746' - 3860'

Set 35 sk plug @ 5140'

Cut 4 1/2" csg @ 7165'. Spotted 35 sk plug @ 7165

Set CIBP @ 9200' w/ 20' cmt on top.

Penn Perfs
9379' - 9463'

Well Name: L.H. Chambers # 2- Amerada
Field: Bagley Pennsylvanian
Location: Unit Ltr. C, 660' FNL & 1980' FWL
Section 11, T-12-S, R-33-E, Lea County, NM

Spud date: 2-9-51 Completion date: 5-5-51
TD: 11,000 PBTD:

Casing & Cementing Data:
Surface casing: 10-3/4", CS 305', 225 sxs

Inter. casing: 8-5/8", CS 3825', 1500 sxs

Prod. casing: 5½", CS 11,000', 600 sxs

Completion record-
Initial Comp: Perfs 9005'-9033' Penn formation

Initial Potential: 24 hrs. well flowed 846.44 bbls oil, 1.48 bbl BS, through a 20/64 choke, TP 1100#, CP 750#, Gas volume 1,312,000 cu ft per day, GOR 1550

Present Comp:

Present well class: Well Plugged 6-13-73

Loc: 660 FNL, 1980 FWL
Sec 11, T-12-S, R-33-E

WELL COMPLETION SKETCHES SUN--5036-4-A Amerada

WELL	FIELD	DATE
L. H. Chambers #2	N. Bagley	6/26/64

☒ PRESENT COMPLETION ☐ SUGGESTED COMPLETION

PERMANENT WELL BORE DATA

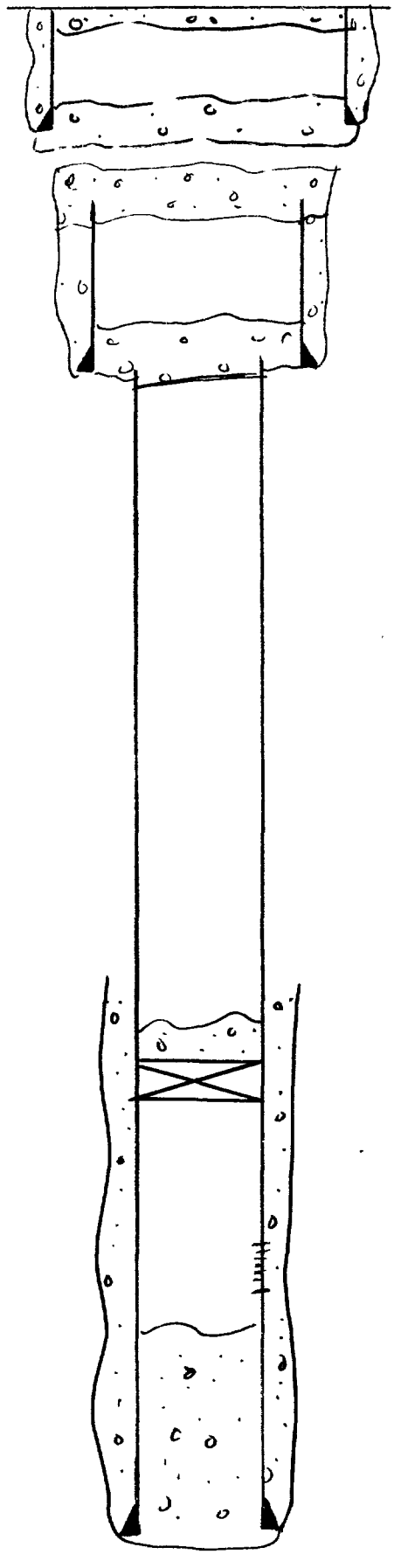
Completed 5/5/51.

10 3/4" @ 306', cmtd w/ 225 sx.

8 5/8" @ 3825', cmtd w/ 1500 sx.

5 1/2" @ 11,000', cmtd w/ 400 sx.

TD - 11,000' PBTD 9050'



DATA ON THIS COMPLETION

Spotted 20 sx at surface

Spotted 70 sx from 352' to 298'

Cut 8 5/8 csg @ 780', spotted 70 sx from 806-671

Cut off 5 1/2 csg @ 3810'. Spotted 70 sx from 3810-3603

Set CIBP @ 8900' w/ 35' cmt on top.

Penn Perfs
9005-9033'

Well Name: J.E. Simmons # 1- Amerada
Field: Bagley Siluro/Devonian
Location: Unit Ltr. D, 660' FSL & 660' FWL
Section 11, T-12-S, R-33-E, Lea County, NM

Spud date: 12-8-49 Completion date: 4-5-50
TD: 9450' PBTD:

Casing & Cementing Data:
Surface casing: 13-3/8", CS 305', 225 sxs

Inter. casing: 8-5/8", CS 3866', 1500 sxs

Prod. casing: 5½", CS 9450', 600 sxs

Completion record-
Initial Comp: 24 hrs. flowed 291.51 bbls oil, 171.93 bbls BS, & water through ½" choke, Gas volume 538,400 cu.ft. per day, GOR 1847, corrected gravity 45.3

Initial Potential: N/A

Present Comp:

Present well class: Well Plugged 2-10-59

Loc: 660 FNL, 660 FEL
Sec 11, T-12-S, R-33-E

WELL COMPLETION SKETCHES SUN-5036-4-A (Amerada)

WELL	FIELD	DATE
J.E. Simmons # 1	N. Bagley	6/25/84

☒ PRESENT COMPLETION ☐ SUGGESTED COMPLETION

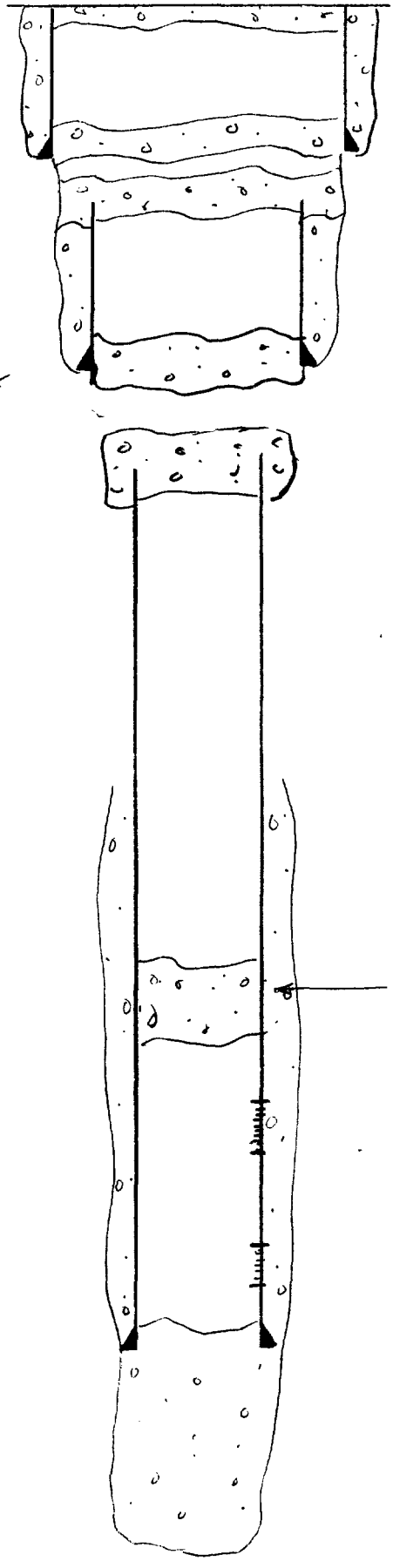
PERMANENT WELL BORE DATA

13 3/8 @ 305' cmtd w/ 225 sx

8 5/8" @ 3866' cmtd w/ 1500 sx

5 1/2" @ 9450', cmtd w/ 600 sx.

TD - 11046



DATA ON THIS COMPLETION

Spotted 10 sx at surface

Spotted 35 sx across 13 3/8 shoe, from 276-350'

Cut off 8 5/8 csg @ 571' Spotted 35 sk plug from 580-540

Spotted 30 sk plug from 3916-3813.

Spotted 30 sk cmt plug from 4433'-4255'

Spotted 35 sk plug from 8990 to 8780'

Penn Perfs
9000 - 9040

9380 - 9396

State C A/C 1 #4

VII.

(1) Proposed average and maximum daily rate and volume of liquids to be injected: 3000 barrels (average) and 4000 barrels (maximum)

(2) System is closed.

(3) Proposed average and maximum injection pressure: 1000# (average) and 2200# (maximum)

(4) The fluid that will be injected is produced water from the Devonian.

(5) The injection well will be disposing into a zone productive of oil and gas.

VIII.

The Devonian formation from 11,019 to 11,430 will be the zone of water disposal. Lithology is a white to blue-white Cherty Dolomite with some secondary fracturing. The State "C" A/C 1 # 4 has 13-3/8" surface casing set at 275' to preserve fresh water aquifers found in the Ogalalla formation. There is no known fresh water aquifers below the proposed water disposal zone in this area.

IX. Proposed stimulation program:
Acidize open hole 11019-11430 w/ 8000 gals 15% NEFE HCL in 4 equal stages, using 300 lbs GRS in 300 gal gelled 10 PPG brine between stages.

X. Test Data
Test 9-9-83, 4 BO, 48 BW (test before well was TA'd)

✓XI. There are no fresh water wells located within one mile of disposal well.

XII

Application to dispose - State C A/C 1 #4

I, Bob Walker, have examined available geological and engineering data and find no evidence of open faults or any other hyrologic connection between the disposal zone and any underground source of drinking water.

Bob Walker

May 7, 1984

Bob Walker
Area Geologist
SUN EXPLORATION & PRODUCTION CO.

Date

III. Well Data

A. (1) State "C" A/C 1 #4
Unit Ltr. M, 660' FSL & 660' FWL, Section 2,
T-12-S, R-33-E, Lea County, New Mexico

(2) Casing Data:
13-3/8", 48#, 319', cmt w/ 350 sxs, hole size
9-5/8", 36#, 3876', cmt w/ 2800 sxs, hole size
7", 23 & 29#, 11019', cmt w/ 1825 sxs, hole size

(3) Tubing:
3½", 9.3# plastic coated tbg. set at 10950'.

(4) 7", Otis perma-lach PKR set at 10950'.

B. (1) Formation- Devonian ✓

(2) Disposal Interval- Open hole 11019-11430 ✓

(3) The well was drilled as on oil producer, has been TA'd since 9-9-83. ✓

(4) Perfs 9000-9048 Sqz w/ 75 sxs cmt.
Perfs below will be sqz. during workover to convert well to disposal well.
9370-9454 Sqz w/ 100 sxs cmt.
9492-9760 Sqz w/ 150 sxs cmt.
9844-9968 Sqz w/ 125 sxs cmt.

(5) Higher Zone- Miss. Zone 10365-10920
Lower Zone- No lower zone in well.

AFFIDAVIT OF PUBLICATION

State of New Mexico,

County of Lea.

I, _____

Robert L. Summers

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not in a supplement thereof for a period

of _____

One day / weeks/

Beginning with the issue dated

May 15, 19 84

and ending with the issue dated

May 15, 19 84

Robert L. Summers
Publisher.

Sworn and subscribed to before me this 24 day of May, 1984

Jane Paulowsky
Notary Public.

My Commission expires 3-24, 1987
(Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

OFFICIAL SEAL
Signature Jane Paulowsky
JANE PAULOWSKY
NOTARY PUBLIC - NEW MEXICO
NOTARY BOND FILED WITH SECRETARY OF STATE
My Commission Expires 3-24-87

LEGAL NOTICE
April 15, 1984

Sun Exploration and Production Company, P.O. Box 1861, Midland, Texas 79702 (contact party Rita Monroe, 915/688-0419) has applied to the New Mexico Oil Conservation Division for approval to dispose of produced water. The disposal well will be the State A A/C 1, well number 4 located in Section 2, T-12-S, R-33-E, Lea County, New Mexico. Fluid will be disposed into the Devonian zone in the subsurface depth interval from 10920 to 11430 with the expected maximum injection rate of 4000 barrels a day at the maximum pressure of 2200 pounds.

Interested parties must file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501.

Sun Production Division
Southwestern District

Sun Exploration and Production Company
901 W Wall
Post Office Box 1861
Midland Texas 79702
915 685 0300

June 22, 1984

Amerada Hess Corporation
P.O. Box 840
Seminole, Texas 79360

Re: Offset Operator Notification of
Application to dispose
State C A/C 1 #4
Unit Ltr. M, Section 2, T-12-S,
R-33-E, Lea County, New Mexico

Gentlemen:

Sun Exploration & Production Company is requesting administrative approval to dispose of water into the referenced well. The New Mexico Oil Conservation Division requires that the Offset Operators be notified of the application.

Attached for your records is a copy of the application. If you have any questions, please contact Rita Monroe, (915) 688-0419.

Very truly yours,

Dee Ann Kemp

Dee Ann Kemp
Associate Accountant

DAK:js

Attachments

Mailed to offset operator by certified mail.
on 7-3-84.
Dee Ann Kemp

1F6/190 - (1)

State C A/C 1 #4

A review of the Devonian producers in the Bagley Devonian field has been done prior to converting the Sun State "C" A/C 1 No.4 to salt water disposal. The Sun State "C" A/C 1 No.5 is producing from a subsea of -6573 which is Sun's lowest producing interval in the field. However, Amerada Hess has two wells producing structurally lower than Sun. The Amerada "BTI" No.1 located in the NW/4 of the NW/4, Section 2, (Unit Letter "D") T-12-S, R-33-E, is presently producing from a subsea of -6625. The Amerada "BTD" No.2 located in the NW/4 of the SE/4, Sec. 35, (Unit Letter "J"), T-11-S, R-33-E, is presently producing from a subsea of -6633 which is the lowest producing horizon within this faulted anticline of the Bagley Devonian field.

The Sun State "C" A/C 1 No. 4 encountered the top of the Devonian at -6661 which is 28 feet structurally lower than the lowest producing interval in the Bagley Devonian field. Therefore, salt water disposal in the subject well should not in any way have adverse effects to the primary production in this field.

Bob Walker

Bob Walker
Area Geologist
SUN EXPLORATION & PRODUCTION CO.

WELL COMPLETION SKETCHES SUN-5036-4-A

WELL	FIELD	DATE
State C A/c-1 #4	N. Bagley Penn	10/20/83

☒ PRESENT COMPLETION ☐ SUGGESTED COMPLETION

PERMANENT WELL BORE DATA

GL - 4242 DF - 4254

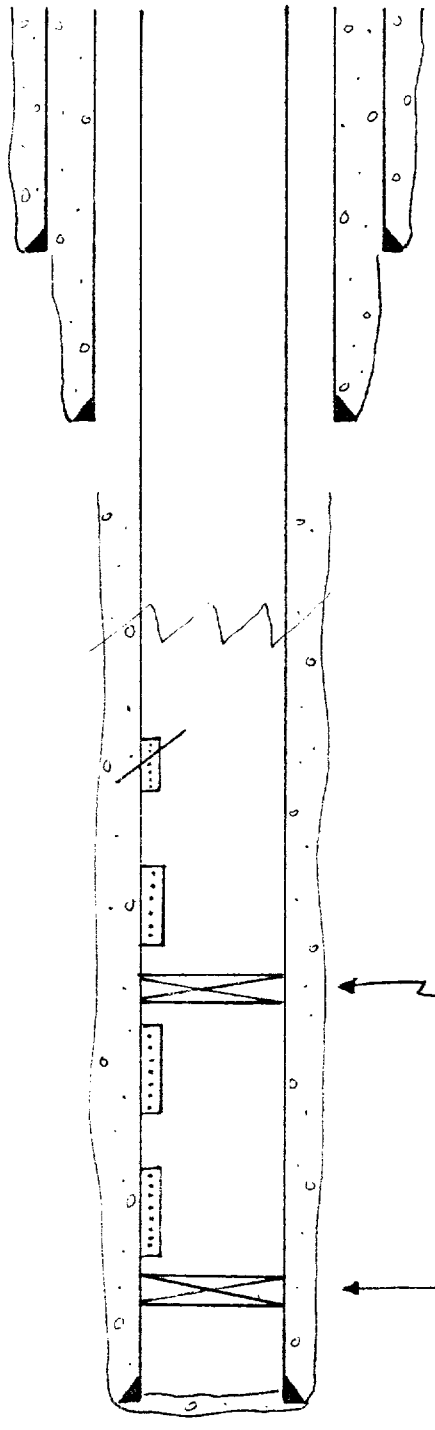
Perforated Intervals

9000' - 9048', sqzd - oil

9370 - 9454 (19 Holes)

9492 - 9760' (27 Holes)

9844' - 9968' (16 Holes)



DATA ON THIS COMPLETION

13 3/8", 48#, @319', cmtd w/ 350 sx

9 5/8", 36# @ 3876', cmtd w/ 2800 sx

TOC - 4710' (T.S.)

CIBP @ 9470'

CIBP @ 10,000'

7", 23-29#, @11019', cmtd w/ 1825 s.

TD - 11019' ORIG PBTD - 11017

WELL COMPLETION SKETCHES SUN-5036-4-A

WELL	FIELD	DATE
State C A/c-1 #4	N. Bagley Penn	10/20/83

☐ PRESENT COMPLETION ☒ SUGGESTED COMPLETION

PERMANENT WELL BORE DATA

GL - 3242 DF - 4254

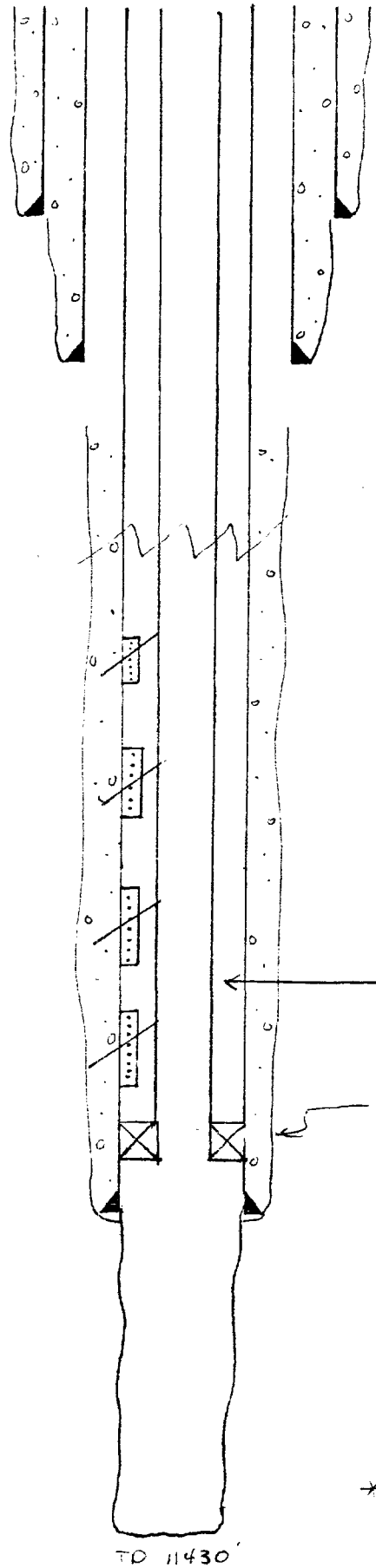
Perforated Intervals

9000' - 9048', sqzd - off

9370 - 9454 (19 Holes)

9492 - 9760' (27 Holes)

9954 - 9968' (16 Holes)



DATA ON THIS COMPLETION

13 3/8", 48#, @ 319', cmtd w/ 350 sx

9 5/8", 36# @ 3876', cmtd w/ 2800 sx

TOC - 4710' (T.S.)

3 1/2", 9.3# plastic coated tbg

7" Otis Perma-lach Pkr w/ OSTSC

7", 23-29#, @ 11019', cmtd w/ 1825 sx

TD - 11019' ORIG PBTD - 11017

* Deepen to 11430' w/ 6" bit

Open Hole 11019 - 11430'

LARGE FORMAT EXHIBIT HAS BEEN REMOVED AND IS LOCATED IN THE NEXT FILE

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

July 6, 1984

TONEY ANAYA
GOVERNOR

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88240
(505) 393-6161

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:
MC_____
DHC_____
NSL_____
NSP_____
SWD X
WFX_____
PMX_____

Gentlemen:

I have examined the application for the:

Sun Exploration & Production Co.	State "C" A/C 1	No. 4-M	2-12-33
Operator	Lease & Well No.	Unit	S-T-R

and my recommendations are as follows:

O.K.-----J.S.

Yours very truly,

Jerry Sexton
Supervisor, District 1

/mc