

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	1
FILE	1
U.S.O.S.	2
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State ☐	Fee ☒

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name

J. T. JENNINGS

9. Well No.

1

10. Field and Pool, or Wildcat

WILDCAT

12. County

CHAVES

1a. TYPE OF WELL *Bofm*OIL WELL ☐GAS WELL ☐DRY ☒OTHER *P&A RECOMPLETION*

b. TYPE OF COMPLETION

NEW WELL ☒WORK OVER ☐DEEPEN ☐PLUG BACK ☐DIFF. RESVR. ☐

OTHER

2. Name of Operator

SUN EXPLORATION AND PRODUCTION COMPANY

3. Address of Operator

P.O. BOX 340180; DALLAS, TX 75234

4. Location of Well

UNIT LETTER *D* LOCATED *660* FEET FROM THE *NORTH* LINE AND *660* FEET FROMTHE *WEST* LINE OF SEC. *9* TWP. *17S* RGE. *18E* NMPM

15. Date Spudded 09-01-81 16. Date T.D. Reached 09-20-81 17. Date Compl. (Ready to Prod.) 10-23-81 P&A 18. Elevations (DF, RKB, RT, GR, etc.) 5180' GR 19. Elev. Casinghead -

20. Total Depth 2700' 21. Plug Back T.D. P&A 22. If Multiple Compl., How Many - 23. Intervals Drilled By: Rotary Tools ALL Cable Tools -

24. Producing Interval(s), of this completion - Top, Bottom, Name

P&A; Dry Hole

25. Was Directional Survey Made

No

26. Type Electric and Other Logs Run

CBL, DI-SFL, CNL-FDC, CPL-Cyberlook, Hydrocarbon

27. Was Well Cored

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	1250'	12-1/4"	600 sx Cmt. Circ.	
4-1/2"	10.5#	2700'	7-7/8"	365 sx T.O.C. 1336'	1320'
				By Bond Log	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
None					None		

30. TUBING RECORD

31. Perforation Record (Interval, size and number)

2295'-2331'; .4"; 9 holes (Tubb)
1808'-1820'; .4"; 13 holes (Yeso)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2295'-2331'	1050 gal 7-1/2 Spearhead Acid,
	15000 gal Apollo 30 Gel,
	18000# 20-40 & 9000# 10-20 Sand
1808'-1820'	1500 gal 15% Spearhead Acid

33. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
P&A		Swab tested perforations - no oil or gas shows.				P&A	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By

35. List of Attachments

LOGS: Electric & Hydrocarbon Analysis; REPORTS: Cementing, Treatment, Water Analysis, Completion

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED

M. A. Skrabanek

TITLE

Engineering Aide

DATE

February 26, 1982

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres <u>Surface</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta <u>494</u>	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb <u>2045</u>	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard <u>2360</u>	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

No. 5, from _____ to _____

No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet. _____

No. 2, from _____ to _____ feet. _____

No. 3, from _____ to _____ feet. _____

No. 4, from _____ to _____ feet. _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1450	1450	Dolomite				
1450	2045	595	Dolomite & Sand				
2045	2345	300	Sand & Shale				
2345	2700	355	Dolomite & Anhydrite				

PACKING LIST

SUN EXPLORATION COMPANY

J. T. JENNINGS #1
Section 9-T17S-R18E, Unit D
Chaves County, NM

<u>ITEM</u>	<u>DATE</u>	<u>NO. COPIES</u>
Casing Cementing Data	09-13-81	1
Completion Report	10-28-81	1
<u>Logs</u>		
Cement Bond Log Neutron Log	10-07-81	1
Computer Processed Log (Cyberlook)	09-20-81	1
Dual Induction-SFL	09-20-81	1
Hydrocarbon Analysis Log	09-20-81	1
Simultaneous Comp. Neutron-Formation Density	09-20-81	1
<u>Western Company CEMENTING REPORT</u>		
Plug to Abandon	10-22-81	1
<u>Western Company TREATMENT REPORT</u>		
Job #616598	10-09-81	1
Job #616604	10-12-81	1
Job #616646	10-19-81	1
<u>Western Company WATER ANALYSIS</u>		
Sample #1	10-16-81	1
Sample #2	10-16-81	1
Sample #3	10-19-81	1
Sample #4	10-20-81	1

02-26-82
mas

KEPLINGER OPERATING COMPANY
JG-BACK AND ABANDONMENT REPORT

Well Name: J. T. Jennings No. 1 Location: Section 9 - T17S - R18E
Operator approval to plug obtained from (Name) Chuck Price on 10/21 19 81
Regulatory approval to plug granted by (Name) Bill Gresset of (Regulatory Board) New Mexico Oil
& Gas Commission on October 21 19 81

Hole Size				
Depth				

KB Elevation 5185

Total Depth 2700

CASING IN HOLE	SIZE	SET AT	TOP OF CEMENT
Surface Casing	8 5/8"	1250	Surface
Intermediate			
Production String	4 1/2"	2700	1325

Fluid in Hole 2% KCL water and drilling mud

Plug Back String 2 3/8" tubing

Service Company Western Company

Regulatory Official ----

	PLUG 1	PLUG 2	PLUG 3	PLUG 4	PLUG 5	PLUG 6
Date	10/17/81	10/22/81	10/22/81	10/22/81		
Interval — Top	2250	1753	1200	Surface		
Bottom	2280	1790	1370	58		
Formation — Name	Tubb	Yeso				
Depth	2295	1808	----	----		
Caliper Hole Size (Average)	4 1/2 csg.	4 1/2 csg.	4 1/2 csg.	8 5/8 csg.		
Type of Cement	Neat	Neat	Neat	Neat		
No. of Sacks	2	3	35	15		
Additives	----	----	----	----		
Bbls of Water Ahead	----	----	10	2		
Displacement — Bbls Water			4	1		
Bbls Mud						
Slurry Weight			14.8	14.8		
Mixing Times — Start	Set bridge	Set bridge				
Finish	plug and	plug and				
Displacing Times — Start	dump 2 sxs.	dump 3 sxs.				
Finish	cmt. on top	cmt. on top	1550	1650		

Surface Casing Cut 2 Ft Below Ground Surface Plug 15 Sacks from 58 to 0
Plate Welded — Yes/~~NO~~ DH Marker Installed — Yes/~~NO~~

CASING SALVAGE: Shot off at 1320 No. of Jts. Recovered 31 & cut off Ft. 1318.74

Remarks _____

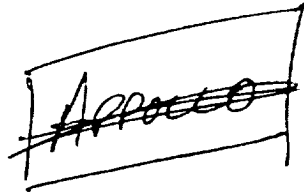
Supervisor: Gordon Wiley

IE WESTERN COMPANY
Service Laboratory

02-24-82 mas
Original: Well File

SAMPLE NO

Taken after frac @ 358 bbls
load rec. out of 404 bbls.



WATER ANALYSIS

Operator *Sunmark Expl. Co.*
Well *J-T. Jennings #1*
Field *W/C*
Formation *Tubb sand*
Depth *2295-2331*
County *Chaves Co., N.M.*

Date Sampled *10-16-81*
Date Received *10-16-81*
Submitted by *SUNMARK, B.D. Wiley*
Worked by *THOMAS EBERS*
Other Description

CHEMICAL DETERMINATIONS

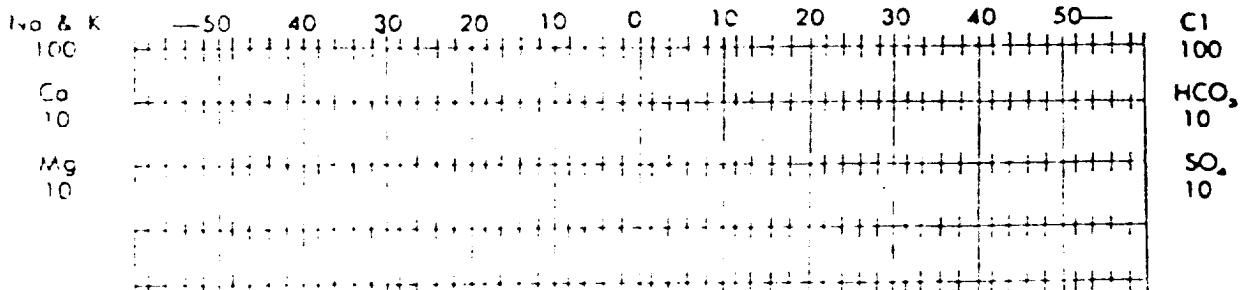
Density *1.045 @ 82°F* pH *6.5*
Iron *FAIR / 6000* Hydrogen Sulfide *NONE*
Sodium and Potassium *23,017* ppm Bicarbonate *61* ppm
3 Calcium *600* ppm Sulfate _____ ppm
Magnesium *510* ppm Phosphate _____ ppm
9 Chloride *38,000* ppm as Sodium Chloride *62,510* ppm

$$KCl = .05 \text{ ml} = 0.5\%$$

$$T.H. = 2.4$$

Remarks

See Stiff type plot (in meq./l.)



Per

02-24-82 msc
Original: Well file

SAMPLE NO. 2

taken after frac @ 535 bbls
rec. out of 1404 bbls load

FORMATION WATER

WATER ANALYSIS

Operator Sunmark Expl. Co.

Date Sampled 10-16-81

Well J. T. Jennings #1

Date Received 10-16-81

Field W/C

Submitted by

SUNMARK, J.D. Wiley

Formation Tubb sand

Worked by

THOMAS EBERS

Depth 2295-2331

Other Description

County Chaves Co., N.M.

CHEMICAL DETERMINATIONS

Density 1.035 @ 82°F

pH 6.5

Iron FAIR/GOOD

Hydrogen Sulfide NONE

Sodium and Potassium 19038 ppm

Bicarbonate 61 ppm

3 Calcium 600 ppm

Sulfate

Magnesium 535 ppm

Phosphate

2 Chloride 32,000 ppm

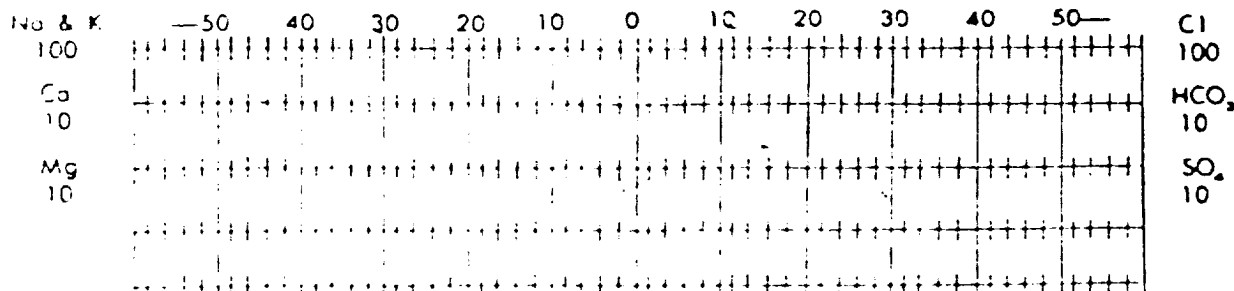
as Sodium Chloride 52,640 ppm

KCl = .05 ml = 0.5%

T.H. = 2.5

Remarks

for Stiff type plot (in meq./l.)



Per

~~ex-24-82 mce~~
Signal: Well 34
~~XXXXXXXXXXXX~~

SAMPLE NO 3

taken after free @ 730 bbls rec., load being 404.

WATER ANALYSIS

Operator SWAMARK
Well J. T. Jennings #1
Field W/C
Formation Tubb sand
Depth 2295-2331
County Chaves, Co., N.M.

Date Sampled 10-19-81
Date Received 10-19-81
Submitted by SD Wiley
Worked by THOMAS EBERS
Other Description

CHEMICAL DETERMINATIONS

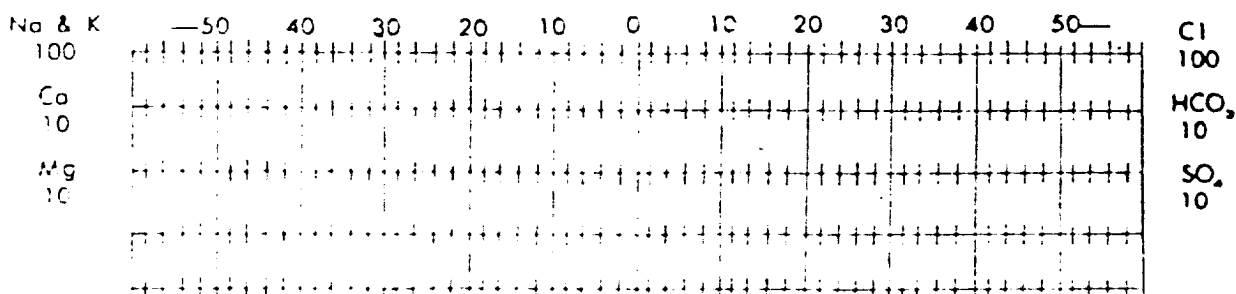
Sens. 1.040 @ 73 °F pH 6.0
Turb. FRINT/GOOD Hydrogen Sulfide NONE
Sodium and Potassium 21,248 ppm Bicarbonate 61 ppm
Calcium 200 ppm Sulfate _____ ppm
Magnesium 316 ppm Phosphate _____ ppm
Chloride 34000 ppm as Sodium Chloride 55,930 ppm

$$KCl = 0.05 \text{ ml} = 0.5\%$$

$$T.H. = 1.4$$

Remarks

for Stiff type plot (in meq./l.)



Per _____

02-2482man
Original: Well File

SAMPLE NO

4

taken after acidize @ 129 bbl. rec., load 52 bbls.

WATER ANALYSIS

Operator SUN MARK

Well JENNINGS #1

Field W/C

Formation YBSO

Depth 1808-20

County Chaves Co., N.M.

RECEIVED

MAR - 1 1982

O. C. D.
ARTESIA, OFFICE

Date Sampled 10-20-81

Date Received 10-20-81

Submitted by G.D. Wiley

Worked by THOMAS EBERS

Other Description

RECEIVED
OCT 29 1981
SUN MARK EXP. CO.
DOM. OPNS. DEL/REC.

CHEMICAL DETERMINATIONS

Density 1.010 @ 82°F

pH 6.0

Iron NONE

Hydrogen Sulfide NONE

Sodium and Potassium 5,820

ppm 0.1

Bicarbonate 61

ppm

Calcium 200

ppm

Sulfate

ppm

Magnesium 243

ppm

Phosphate

ppm

Chloride 10,000

ppm

as Sodium Chloride 16,450

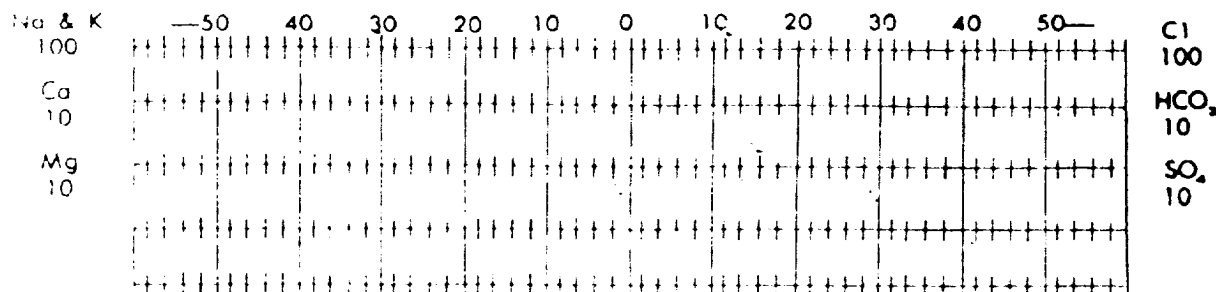
ppm

KCL = 0.05 ml = 0.5%

TAH. = 1.1

Remarks

for Stiff type plot (in meq./l.)



Per