

DISTRIBUTION

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease

State ☒Fee ☐

5. State Oil & Gas Lease No.

LG-1125

7. Unit Agreement Name

-

8. Farm or Lease Name

Santa Fe State

9. Well No.

1

10. Field and Pool, or Wildcat

E-K Yates-SR-Queen

11. County

Lea

1a. TYPE OF WELL

OIL WELL ☒GAS WELL ☐DRY ☐

OTHER

b. TYPE OF COMPLETION

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

OTHER

2. Name of Operator

General Operating Company

3. Address of Operator

Suite 1007 Ridglea Bank Building, Fort Worth, Texas 76116

4. Location of Well

UNIT LETTER C LOCATED 330 FEET FROM THE North LINE AND 2310 FEET FROMTHE West LINE OF SEC. 17 TWP. 18S RGE. 34E NMPM

15. Date Spudded

01/05/85

16. Date T.D. Reached

01/14/85

17. Date Compl. (Ready to Prod.)

04/11/85

18. Elevations (DF, RKB, RT, GR, etc.)

4063.3' GR, 4073.3' RKB

19. Elev. Casinghead

4062'

20. Total Depth

4820' RKB

21. Plug Back T.D.

4803' RKB

22. If Multiple Compl., How Many

Single

23. Intervals Drilled By

Rotary Tools

0-4820'

Cable Tools

None

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

4462'-76' RKB Overall, Upper Queen Sand

4685'-92' RKB, Lower Queen Sand

25. Was Directional Survey Made

No

26. Type Electric and Other Logs Run

Welex Guard-Forxo and Compensated Density-Dual Spaced Neutron

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" OD	24	1659' RKB	12-1/4" & 11"	See Attachment	None
4-1/2" OD	10.5	4820' RKB	7-7/8"	See Attachment	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-3/8" OD	4717" RKB	None

31. Perforation Record (Interval, size and number)

4462'-68' RKB w/12-3/8" Holes

4472'-76' RKB w/8-3/8" Holes

4685'-92' RKB w/14-3/8" Holes

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	See Attachment

33. PRODUCTION

Date First Production 04/14/85	Production Method (Flowing, gas lift, pumping - Size and type pump) Pumping w/2" x 1-1/2" x 16' Stationary Barrel Pump					Well Status (Prod. or Shut-in) Producing	
Date of Test 11/08/85	Hours Tested 24	Choke Size None	Prod'n. Per Test Period →	Oil - Bbl. 10	Gas - MCF 39	Water - Bbl. 15	Gas - Oil Ratio 3900:1
Flow Tubing Press. Pumping	Casing Pressure 20 psi	Calculated 24-Hour Rate →	Oil - Bbl. 10	Gas - MCF 39	Water - Bbl. 15	Oil Gravity - API (Corr.) 36 (Estimated)	

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

Vented - Phillips Petroleum Company has tested but has refused to

Test Witnessed By

Carroll Bellah

35. List of Attachments

connect because of high nitrogen content.

WEK Drilling Co., Inc. Deviation Survey and Welex CD-DSN-Guard-Forxo Logs.

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

C. W. Stumbhoff

TITLE

Vice-President

DATE

11/12/85

INSTRUCTIONS

This form is to be filed with the report to the District Office of the Commission not later than 30 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 in 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 1783' RKB	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt 1893' RKB	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt 3076' RKB	T. Atoka	T. Fictured Cliffs	T. Penn. "D"
T. Yates 3206' RKB	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers 3516' RKB	T. Devonian	T. Menefee	T. Madison
T. Queen 4426' RKB	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Qtzte
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinberry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Granite	T. Todilto	T.
T. Drinkard	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 4462' RKB to 4476' RKB	No. 4, from to
No. 2, from 4685' RKB to 4692' RKB	No. 5, from to
No. 3, 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
1783'	1893'	110'	Anhydrite				
1893'	3076'	1183'	Salt				
3076'	3206'	130'	Tansill Dolomite				
3206'	3516'	310'	Yates				
3516'	4426'	910'	Seven Rivers				
4426'	TD	394'	Queen				

RECEIVED
OCT 30 1985
DISTRICT OFFICE

ATTACHMENT
STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
FORM C-105

GENERAL OPERATING COMPANY
SANTA FE STATE WELL NO. 1
NE/4 NW/4 SECTION 17, T18S, R34E
LEA COUNTY, NEW MEXICO

28. Casing Record.

8-5/8" OD, 24# surface casing cemented with 600 sacks Halliburton Lite with 1/4# Flocele/Sack followed with 200 sacks Class C with 2% Calcium Chloride around shoe joint. Plug down 11:15 PM 1/07/85. Circulated 150 sacks to surface.

4-1/2" OD, 10.5# production casing cemented with 350 sacks 50/50 Pozmix Class C with 2% Gel, 1/4# Flocele/Sack, and 3# salt/sack. Plug down 1:15 AM 1/15/85. Estimated top of cement 3076' RKB.

32. Acid, Shot, Fracture, Cement Squeeze, Etc.

4/08/85	4685-92'	Acidized with 500 Gals 15% NE acid.
4/09/85	4685-92'	Fracture treated with 333 Bbls. 35# Gelled water, 6500# 20/40 sand and 8000# 10/20 sand.
4/10/85	4462'-76' Overall	Acidized with 750 Gals. 15% NE acid with 30 ball sealers.
4/10/85	4462'-75' Overall	Fracture treated with 446 Bbls. 30# Gel, 10000# 20/40 sand, and 8000# 10/20/ sand.



LESLIE K. EVERTSON - ROSWELL
KENNETH D. REYNOLDS - ARTESIA

DRILLING CO., INC. — OIL WELL DRILLING CONTRACTORS

P. O. Box 1498 ROSWELL, NEW MEXICO 88201
TELEPHONES: ARTESIA 505/746-6757
ROSWELL 505/623-5070

January 17, 1985

General Operating Co.
Suite 1007, Ridglea Bank Bldg.
Fort Worth, Texas 76116

Ref: Santa Fe State #1

Gentlemen:

The following is a Deviation Survey on the above well located in Lea County, New Mexico.

455' - 1/4°	3128' - 1/2°
935' - 1/4°	3620' - 3/4°
1430' - 1/2°	4080' - 3/4°
1474' - 1/2°	4309' - 1°
1871' - 3/4°	4769' - 1/2°
2146' - 3/4°	4820' - 1/2° T.D.
2633' - 1/2°	

Yours very truly,

WEK DRILLING CO., INC.

Arnold Newkirk

STATE OF NEW MEXICO)

COUNTY OF CHAVES)

The foregoing was acknowledged before me this 17th day
of JANUARY 1985 by Arnold Newkirk.

MY COMMISSION EXPIRES:

Notary Public

5-4-87

RECEIVED

DEC 30 1985

POST OFFICE