

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

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OPERATOR	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG
~~CORRECTED REPORT~~5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.

L-6775

7. Unit Agreement Name

8. Farm or Lease Name

Seymour State Com

9. Well No.

10. Field and Pool, or Wildcat

S. PECO 3400
WILDCAT and also

12. County

Chaves

1. TYPE OF WELL

OIL WELL ☐GAS WELL ☒DRY ☐OTHER ☐

2. TYPE OF COMPLETION

NEW WELL ☒WORK OVER ☐DEEPEN ☐PLUG BACK ☐DIFF. RESER. ☐OTHER ☐

Name of Operator

Harvey E. Yates Company

Address of Operator

P. O. Box 1933, Roswell, New Mexico 88201

Location of Well

IT LETTER E LOCATED 1980 FEET FROM THE North LINE AND 660 FEET FROM

E. West LINE OF SEC. 18 TWP. 9S RGE. 27E NMPM

11. Date Spudded
11/30/8115. Date T.D. Reached
3/19/8217. Date Compl. (Ready to Prod.)
5/28/8218. Elevations (DF, RKB, RT, GR, etc.)
3811.8 GR19. Elev. Casinghead
3811.820. Total Depth
638521. Plug Back T.D.
606422. If Multiple Compl., How Many
223. Intervals Drilled By
Rotary Tools
70 - 6385Cable Tools
0 - 70

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

4912-4929 Abo

25. Was Directional Survey Made

No

26. Type Electric and Other Logs Run

CN/CDL/GR & DLL/ML/GR

27. Was Well Cored

No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48	352	17 1/2	340 SXS CL "C" 2% Cacl	0
8 5/8	24	1525	11	650 SXS	0
5 1/2	15.5	6343	7 7/8	1590 SXS	0

3. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 1/16	4800	4800

1. Perforation Record (Interval, size and number)

SEE ATTACHED WELL HISTORY SUMMARY

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED

Post ID-2
10-29-82
Bony & BH

PRODUCTION

1. Date First Production 5/28/82	2. Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing	3. Well Status (Prod. or Shut-in) SI
4. Date of Test 6/11/82	5. Hours Tested 8	6. Choke Size 1 1/2"
7. Flow Tubing Press. 250	8. Casing Pressure	9. Calculated 24-Hour Rate
10. Oil - Bbl. tr	11. Gas - MCF 549	12. Water - Bbl. -
13. Oil - Bbl. tr	14. Gas - MCF 1646	15. Water - Bbl. -
16. Oil Gravity - API (Corr.) -	17. Gas Gravity - API (Corr.) -	18. Water Gravity - API (Corr.) -

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

vented

Test Witnessed By

Micky Young

5. List of Attachments

6. 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

Rick T. Lardue

TITLE

Engineer

DATE

August 10, 1982

INSTRUCTIONS

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-filled or deepened well. It shall be accompanied by a true copy of all electrical and radioactivity logs run on the well and a summary of all recorded 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, Item 30, through 34 shall be repeated for each zone. The form is to be filed in quadruplicate except on lease 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. Abby	T. Canyon	5770	T. Rutland-Fruitland	T. Penn. "CB"	T. Penn. "BV"
T. Salt	T. Atoka	5830	T. Pictured Cliffs	T. Penn. "D"	T. Leadville
T. Yates	T. Miss	6064	T. Cliff House	T. Madison	T. Eibert
T. 7 Rivers	T. Devonian		T. Menefee	T. Point Lookout	T. Mancos
T. Queen	T. Silurian				T. McCracken
T. Grayburg	T. Montoya		T. Mancos		T. Ignacio Qizile
T. San Andres	T. Simpson	1202	T. Gallup		T. Granite
T. Gilecta	T. McKee	2394	Base Greenhorn		
T. Paddock	T. Ellenburger		T. Dakota		
T. Illinois	T. Gr. Wash	6366	T. Morrison		
T. Tubb	T. Granite	3824	T. Todile		
T. Delkard	T. Delaware Sand		T. Fentada		
T. Abo	T. Bone Springs	4563	T. Wingate		
T. Wolfcamp		5245	T. Chinle		
T. Penn.		5773	T. Permian		
T. Cisco (Bough C)			T. Penn. "A"		

OIL OR GAS SANDS OR ZONES

No. 1, from	to	No. 4, from	to
No. 2, from	to	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
0	1100		Sand & Shale
1100	1250		Shale & Anhy
1250	1280		Sand
1280	1310		Anhy
1310	1800		Dolo & Anhy
1800	2200		Lime & Dolo
2200	2900		Sand & Dolo
2900	3000		Dolo, Anhy, & Shale
3000	3150		Sand & Dolo
3150	3182		Dolo, Shale, & Anhy
3182	3510		Sand
3510	3550		Dolomite
3550	3565		Sand
3565	3650		Dolo
3650	4320		Sand
4320	4600		Dolo & shale
4600	5220		Shale
5220	5200		Lime & Shale
5200	5925		Sand
5925	5935		Lime
5935	5945		Sand
5945	5955		Lime & Shale
5955	6060		Dolo & Chert
6060	6365		Grandite Wash
6365	6386		

MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-100
Supersedes O-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Owner Harvey E. Yates Co.		Lease Seymore State		Acreage 1	
Section E	Section 18	Range 9 South	Range 27 East	County Chaves	
Distance from the well to the North line and 660 feet to the West line					
3811.8'		Abo		Wildcat land also 160 Acres	

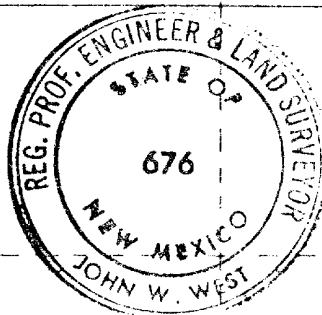
- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty)
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

X Yes No If answer is "yes" type of consolidation Communitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission

HEYCO L-6775	Viking Pet. Inc. L-6907
660' - 0"	



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Peck Hardee

Name

Peck Hardee

Location

Engineer

Company

Harvey E. Yates Company

Date

August 11, 1982

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief

Date Surveyed

Sept. 24, 1981

Registered Professional Engineer

and Land Surveyor

John W. West

Certificate No. JOHN W. WEST 676
PATRICK A. ROMERO 6663
Ronald J. Edson 3239

330 600 900 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

HORIZON DRILLING &
EXPLORATION CORPORATION

200 W. First St.

Suite 225 Petroleum Bldg.
Roswell, New Mexico 88201

623-9537

RECEIVED

JUL 22 1982

MARCH 9, 1982

O. C. D.
ARTESIA, OFFICE

DEVIATION SURVEYS: SEYMORE STATE #1 Spudded 2-11-82 T.D. 3-19-82
CHAVES COUNTY New Mexico Sec.18, T9S, R27E

500'	$\frac{1}{2}$	0
1000'	$\frac{1}{2}$	0
1400'	$\frac{3}{4}$	0
1800'	1	0
2302'	$\frac{1}{2}$	0
2941'	$\frac{3}{4}$	0
3309'	$\frac{3}{4}$	0
3800'	$\frac{3}{4}$	0
4301'	1	0
4813'	$\frac{3}{4}$	0
5300'	$\frac{3}{4}$	0
5815'	$\frac{3}{4}$	0
6050'	1	0
6140'	1	0
6385'	1	0

Thanks,

H.L. McArthur

STATE OF NEW MEXICO)
COUNTY OF CHAVES) SS.

SUBSCRIBED AND SWORN TO before me this 21st day of July, 1982 by H. L. McArthur.

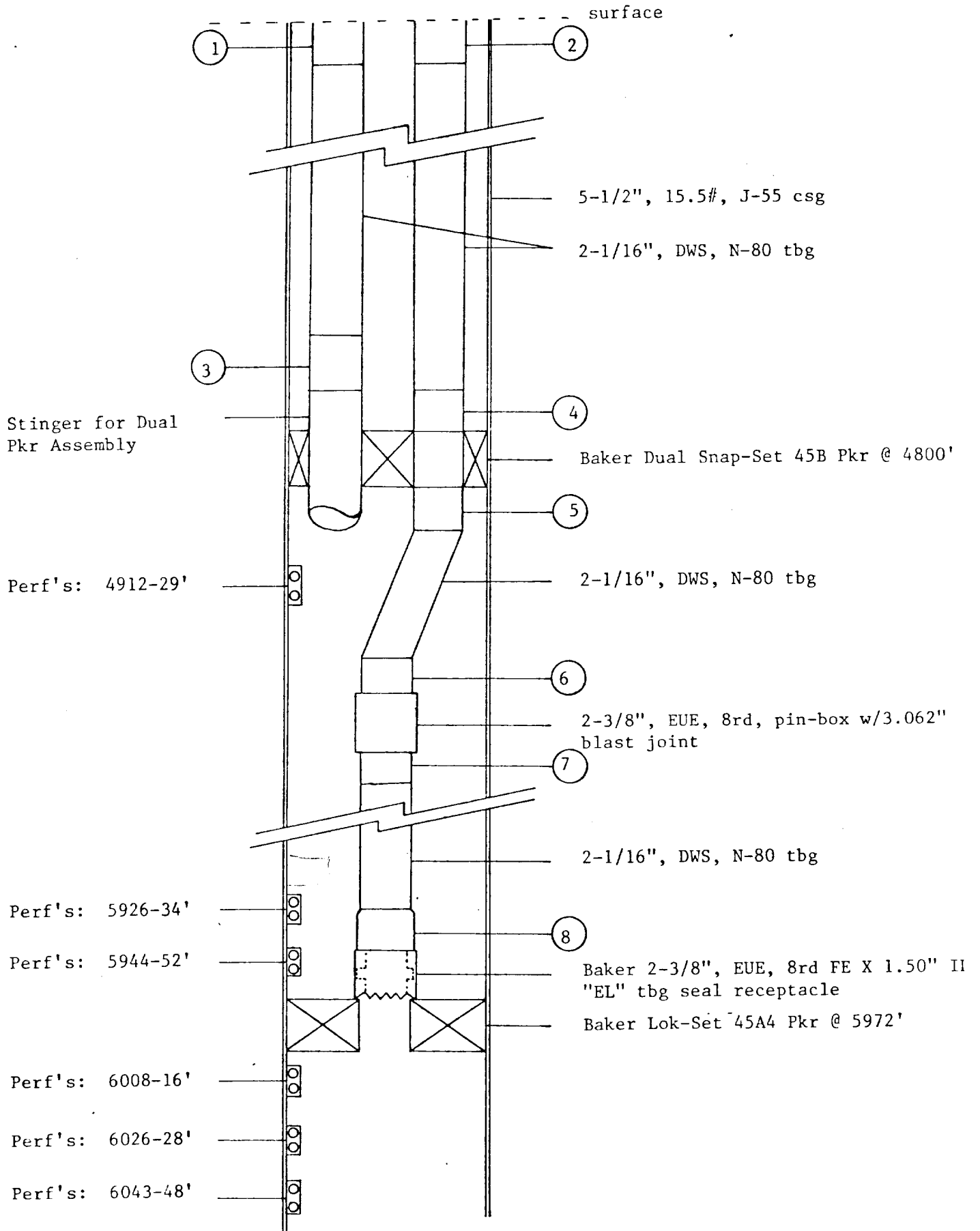
Notary Public

My Commission Expires:

7-8-85

SEYMOUR STATE #1

(Down Hole Production Assembly)



Number:

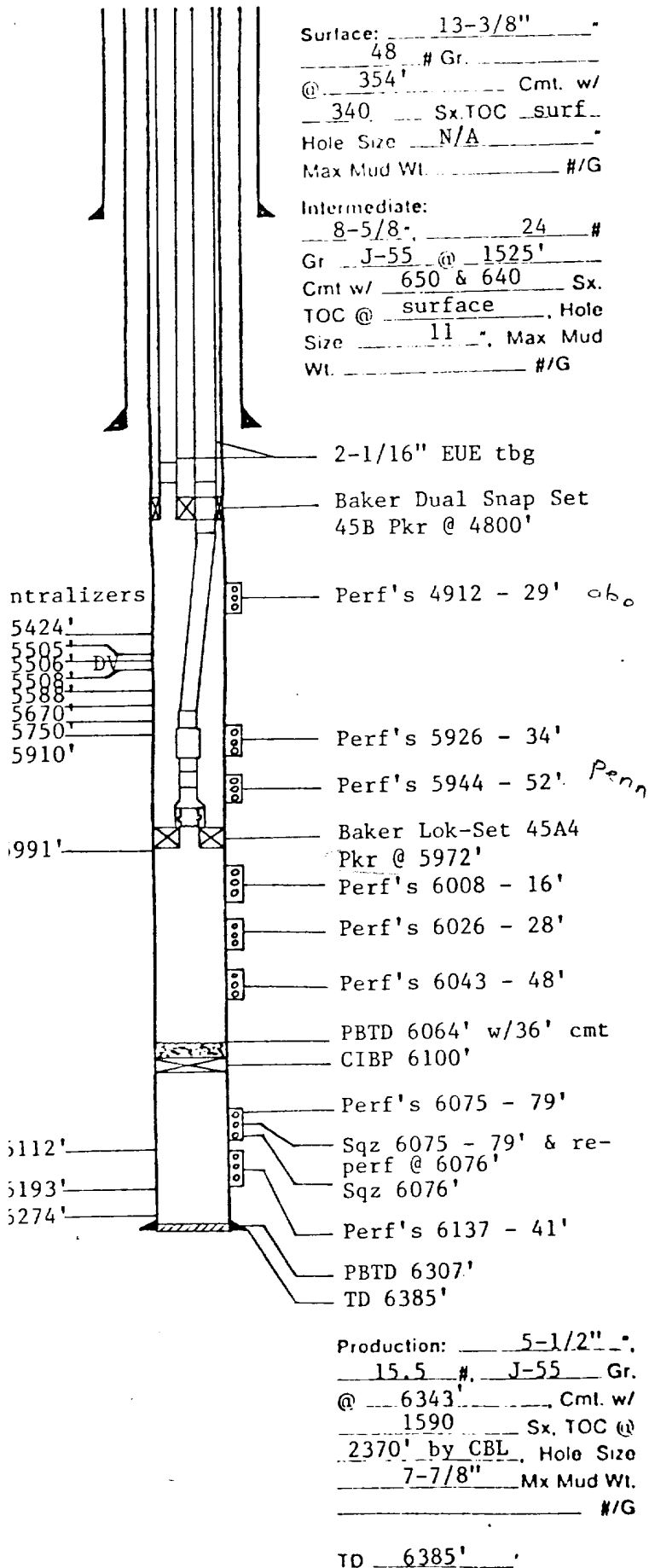
- 1) 2-1/16" IJ 10rd X 2-1/16" DWS Pin X 12" long change over
- 2) 2-1/16" IJ 10rd X 2-1/16" DWS Pin X 24" long change over
- 3) 2-1/16" DWS Box X 2-1/16" IJ 10rd Pin X 24" long change over
- 4) 2-1/16" DWS Box X 2-1/16" IJ 10rd Pin X 24" long change over
- 5) 2-1/16" IJ 10rd Box X 2-1/16" DWS Pin X 24" long change over
- 6) 2-1/16" DWS Box X 2-3/8" EUE 8rd Pin X 24" long change over
- 7) 2-1/16" DWS Pin X 2-3/8" EUE 8rd Pin X 12" long change over & 2-3/8" EUE 8rd collar
- 8) 2-1/16" DWS Box X 2-3/8" EUE 8rd Pin X 12" long change over

Ray F. Nokes
Reservoir Engineer
Harvey E. Yates Company

Well History Summary Sheet

Operator Harvey E. Yates Co. Well Name & # Seymour State #1 Lease # Fee
 District Roswell Made By Ray F. Nokes Date July 1, 1982
 Location 660' FWL & 1980' FNL, Sec 18, T-9S, R-27E Chaves Co., NM
 Spud Date 11-30-81 Compl. Date 6-11-82 TD 6385' PBDT 6307' Original
 Type Well: Oil Gas X Other (Dual) Field Wildcat
 I P Zone RECEIVED
 Perfs.: Abo: 4912 - 29' (OA) Atoka: 5826 - 6048' (OA) Total Holes See Well History below
 Stimulation See Well History below JUL 22 1982
 Cumul. Oil MCF Water O. C. D.
 Recent Test Lift Equipment ARTESIA OFFICE
 Misc. Elevation: 3811.8' GL Refer to CBL for TOC & Bond record.

WELL HISTORY



4-4-82 Perf's Miss (6075-79') w/2 spf
 4-6-82 Acdz w/500 gals 20% MSR-100, Max press 2800#; Min press 2000#.
 4-7-82 Re-acdz w/2400 gals 20% MSR-100, Max press 2750#; Min press 2200#.
 4-8-82 Run Tracer Surv to locate wtr source.
 4-9-82 Sqz off perf's @ 6075-79' w/150 sx cmt to 3000#. Wtr was coming fr 6081-91'. Drlg out.
 4-14-82 Perf'd Miss (1' inter) @ 6076' w/4 shot: & acdz w/500 gals 15% HCL. Max press 2650#, min press 1650#.
 4-15-82 Re-acdz w/1000 gals 15% HCL. Max press 1200#, min press 800#. Swbd to flow @ 218 MCF (35# on 1/2" ck).
 4-17-82 Re-acdz w/2000 gals 28% Ne/Fe Acid on vac. Swbg.
 4-21-82 Sqz off perf's @ 6076' w/150 sx cmt to 3500#. Drlg out.
 4-24-82 Perf'd Miss (6137-41') w/2 jspf. Swbg.
 4-27-82 Acdz w/250 gals 20% MSR-100. Max press 2800#, min press 300#.
 4-28-82 Set CIBP @ 6100' & dumped 36' cmt on top. PBDT @ 6064'.
 4-29-82 Perf'd Atoka (6043-48') w/2 jspf. 13 hr SITP @ 1750 psig.
 5-1-82 Acdz w/500 gals 15% MSR-100. Max press 2500#, min press 1800#. Swbd to flow @ 95# FTP on 5/16" ck. 230 MCF.
 5-4-82 Re-acdz w/1500 gals 7-1/2% MSR-100. Max press 4200#, min press 2000#.
 5-5-82 SITP @ 1750 psi. Swbg & flwg.
 5-6-82 SITP 1600 psi. Kill well w/3% KCL. POH Perf'd Atoka (5926-34') (5944-52') & (6008-16')
 5-7-82 Guns did fire. (Thought they had not) Swbg.
 5-11-82 Acdz w/4000 gals 7-1/2% MSR-100. Max press 3600#, min press 2700#. Swbg.
 5-12-82 Ran Tracer Surv. Perf's fr 6043-48' taking majority of fluid & RA material.
 5-14-82 Perf'd Atoka (6026-28'-4 holes), POH. GIH w/RTTS & RBP. Set RBP @ 6038' & RT @ 5985'. Acdz fr 6008-28' w/2500 gals 15% Mod-202; brk dn @ 1600 psi. Max press prior to ball out 3300#. ISIP 2500#, 5" 2300#. Move RBP to 5983' & RTTS to 5890'. Acdz 5926-52' w/4000 gal 15% Mod-202; brk dn @ 1800#. (1800# + Hydrostatic wt of Mod-202 = 4573.3 psig total press to brk dn perf's. (Max surf press during trtmt 5000#, min press 3100# ISIP 2900#, 5" 2800#.

See attached page for continued report of completion.

Seymour State #1 Well Summary Sheet

July 1, 1982

Page 2

- 5-15-82 POH w/RTTS & RBP. Swbg.
- 5-21-82 Set pkr @ 5972'; frac w/15,500 gals Versagel 1500 & 3000 gals CO₂ & 28,400# 20/40 sd. Max press 4350#; min press 3920#. ISIP 3120#, 5" 2730#, 10" 2550#, 15" 2340#. Hydrostatic weight of fluid on back side during tst 3796.21 psig. (1180# + 2616.2#). Swbg.
- 5-22-82 Swbg to rec load, well KO flwg after 6 runs & flwd on 1/4" ck @ 1000 psi for 3 hrs. Rate 1.472 MMCFD.
- 5-23-82 SITP 1650 psi. Flwd on 1/2" ck @ 275 psi for 3 hrs. Rate 1.722 MMCFD.
- 5-25-82 SITP 1800 psi. Set 1.5" blank plug in profile @ 5961'. Blew dn & kill well w/3% KCL. GIH w/RBP. Set @ 5042'. Tst RBP, OK. SDFN.
- 5-26-82 Perf'd Abo @ 4912', 13', 23', 24', 25' & 4929' w/2 jspf. Acdz w/3000 gals 10% Mod-101. Brk dn perf's @ 1300 psi. (2236.74 psi hydrostatic wt). Max press 4000#, min press 1200#. ISIP 900 psi, 5" 600 psi. Swbg. Total pressure on formation during treatment= 1300 + 2236.74=3536.74#.
- 5-27-82 Frac Abo (4912-29') w/30,000 gals WG-6 (20,000 gals KCL + 10,000 gals CO₂) w/30,000# 20/40 sd & 4500# 10/20 sd. Max press 4900# (7257.56# hydrostatic wt while pmpg @ perf's), min press 4600#. ISIP 1520#, 5" 1400#, 10" 1350#, 15" 1300#. Overnight FTP 190# on 1/2" ck. Rate 1.189 MMCFD.
- 6-2-82 POH w/2-7/8" work string. GIH w/2-1/16" tbg on long string side.
- 6-3-82 GIH w/2-1/16" tbg on short string side.
- 6-4-82 Sting into pkr on short side & space out tbg. Pkr would not set. Stinger not going into pkr.
- 6-5-82 Cont to attempt to sting into pkr. Pkr was activated & set during attempts to set stinger into pkr. Unable to unseat pkr due to inability to set stinger into pkr on short side.
- 6-6-82 Etc.
- 6-7-82 Etc.
- 6-8-82 Etc. Still unable to rel assembly.
- 6-9-82 Pull blanking plug fr long side. Flw to rec 3% KCL fl. SITP on long string (Atoka) 1625 psi.
- 6-10-82 Flwg fr short side @ 150 psi FTP. Long string SITP 1950 psi.
- 6-11-82 SITP long side 1950#; SITP short side 1000#. WOPL

Ray F. Nokes
Reservoir Engineer
Harvey E. Yates Co.
Roswell, New Mexico 88201