

APPLICATION FOR MULTIPLE COMPLETION

MAR 01 1983

O. C. B.

ARTESIA OFFICE

Operator		County		Date
Harvey E. Yates Company		Chaves Co.		March 1, 1983
Address		Lease		Well No.
P. O. Box 1933 Roswell, NM 88201		Seymour State #1		
Location of Well	Unit	Section	Township	Range
	E	18	9-S	27-E

All Applicants for multiple completion must complete items 1 and 2 below.

1. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Abo		Atoka
b. Top and Bottom of Pay Section (Perforations)	4912 - 29'		5926 - 6048'
c. Type of production (Oil or Gas)	Gas		Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
e. Daily Production ☒ Actual ☐ Estimated Oil Bbls. Gas MCF Water Bbls.	196 MCFPD -0- BO -0- BW during tst		150 MCFPD -0- BO -0- BW during tst

2. The following must be attached:

- Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

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

Signed Ray L. [Signature] Title Reservoir Engineer Date March 1, 1983

(This space for State Use)

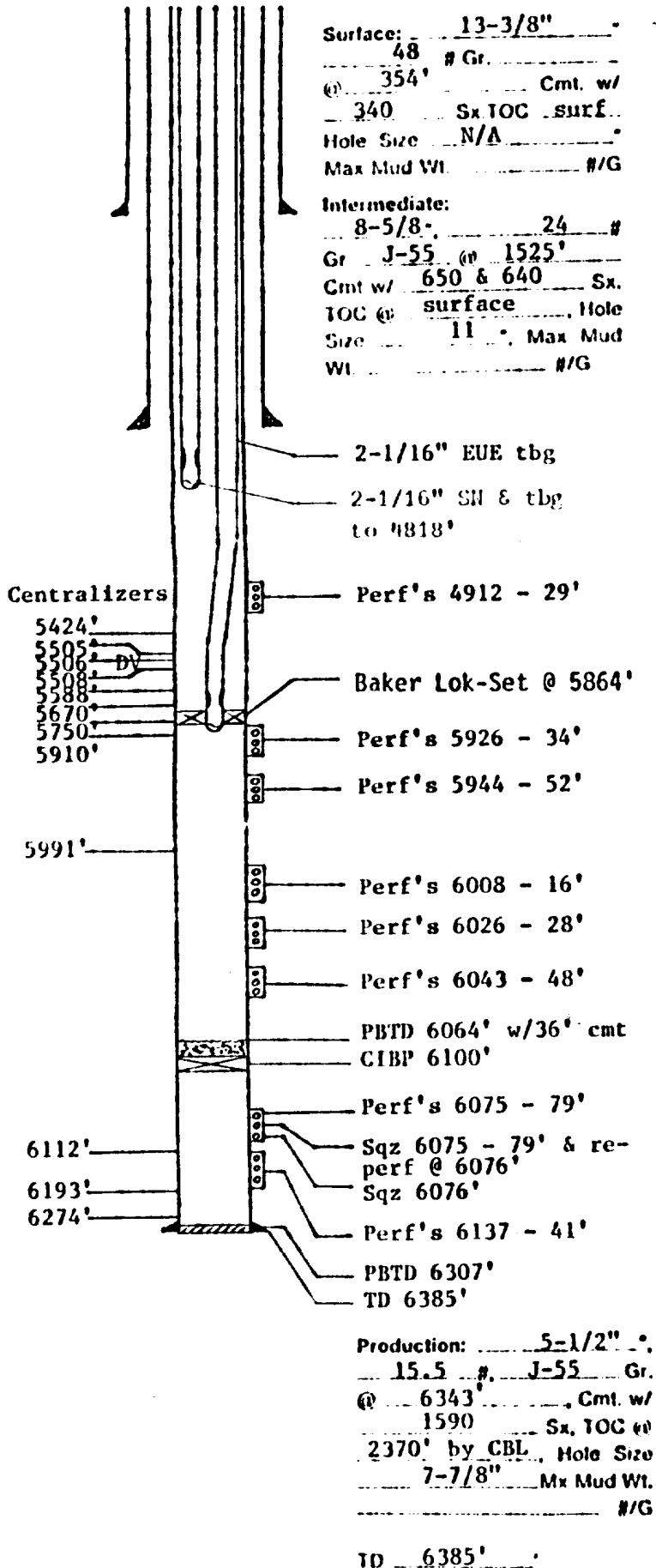
Approved By [Signature] Title OIL AND GAS INSPECTOR Date MAR 11 1983

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard perforation unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

Well History Summary Sheet

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 sh & 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. Swbd
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. PBTD @ 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. Perf'd Atoka (5926-34') (5944-52') & (6008-16')
5-7-82 Guns did fire. (Thought they had 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' & @ 5985'. Acdz fr 6008-28' w/2500 gal 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 15% Mod-202; brk dn @ 1800#. (1800# + Hydrostatic wt of Mod-202 = 4573.3 ps total press to brk dn perf's. (Max surface press during trtmt 5000#, min press 31 ISIP 2900#, 5" 2800#.

See attached page for continued report
of completion.

- 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
- 2-15-83 MI & RU to pull dwn hole assembly as result of Noise & Temperature Log set forth by order No. R-7112 of Case No. 7658. Three attempts to chemically cut tbg above lower pkr. Attempts failed but completion assembly released & was POH. GIH w/pkr, 2-1/16" pkr, 2 1/16" tbg to 5864', set pkr @ 5864'. GIH w/short string: SN, 2 1/16" tbg to 4818". Anchor short string for Abo production. Swab to return to production.

SEYMOUR STATE #1

OFFSET OPERATORS & ADDRESSES

ELK OIL
P. O. Box 310
Roswell, NM 88201

PLAINS RADIO BROADCASTING COMPANY
P. O. Box 9354
Amarillo, TX 79105

PIONEER PRODUCTION
P. O. Box 2542
Amarillo, TX 79189

FRED POOL DRILLING
Clovis Star Rt., Box 13000
Roswell, NM 88201

VIKING PETROLEUM
2700 Center Bldg.,
2761 E. Skelly Drive
Tulsa, OK 74105

YATES PETROLEUM
207 South 4th
Artesia, NM 88210

