

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Farmington	671	798	Gas and water				
32. acid w/66 RCN ball sealers, 38,163 gals 70 quality foam and 36,800# 10-20 sand, nitrogen - 163,286 SCF.							

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RECEIVED

10-1-1983

S. DIV.

Daily Report

WEST DRAW #1
880' FSL & 800' FEL
Sec. 18, T27N, R12W
San Juan County, N.M.

- 8-30-83 Moved in, rigged up Bayless Rig 4. Pressure tested casing to 3000 psi. Held OK for 5 minutes. Tripped in hole with bit, sub, and 1½" EUE tubing. Tagged cement at 20' RKB. Drilled 20 ft. of cement. SDFN.
- 8-31-83 Drilled 85 ft. of cement during the day to 125 ft. SDFN.
- 9-01-83 Drilled 125 ft. of cement during the day to 250 ft. SDFN.
- 9-02-83 Drilled 126 ft. of cement during the day to 376 ft. SDFN.
- 9-03-83 SDF weekend.
- 9-04-83 SDF Labor Day.
- 9-05-83 Resume drilling thru cement.
- 9-06-83 Drilled 215 ft. of cement during the day to 591 ft. SDFN.
- 9-07-83 Drilled 259 ft. of cement during the day to PBTD 850'. Preparing to frac.
- 9-08-83 Waiting on completion equipment.
- 9-09-83 Rigged up Smith Energy Services. Circulated hole clean with 2% KCL water containing 1 gal/1000 surfactant and ½ gal/1000 clay stabilization agent. Moved tubing to 798'. Spotted 50 gallons of 7½% D.I. HCL acid. Tripped tubing out of hole. Pressure tested casing to 3000 psi. Held OK for 5 minutes. Rigged up Basin Perforators. Ran GR-CLL log from loggers PBTD of 851' to 500'. Perforated Farmington zone with 2 JSPF as follows:

671-674	3'	
704-714	10'	
764-768	4'	
793-798	5'	
TOTAL	22'	44 holes

Broke down perfs @ 3400 psi. Established rate of 3.2 BPM @ 3000 psi. ISIP = 400 psi. Acidized down 2-7/8" casing with 450 gallons of 15% HCL weighted acid containing 66 l.1 s.g. RCN ball sealers. 1.6 BPM @ 1900 psi. Saw good pressure breaks when acid hit formation. Did not balloff. Final injection rate was 10 BPM @ 1800 psi, ISIP - 400 psi. Ran junk basket in hole. Did not recover any ball sealers.

- 9-09-83 Started to fracture Farmington interval. Pumped 4000 gallons of 70 quality foam pad @ 20 BPM @ 1600 psi, well screened off during 1 ppg sand with 1932 lbs of sand into the wellbore. Tried to pump into well 3 more times, well pressured up. Well making sand when bled off. Left well open to pit. SDFN.
- 9-11-83 Tripped in hole with 1½" tubing tagged sand @ 805'. (No perfs covered) Cleaned out 35' of sand fill. Tripped tubing out of hole. Establish injection rate down 2-7/8" casing of 6.8 bbl/min @ 1550 psi. ISIP = 400 psi. Acidized down casing with 500 gallons of 15% D.I. HCL acid containing 66 RCN ball sealers. 3.6 BPM @ 2000 psi. Saw some ball action, did not ball off. Let well flow back to the pit. Well making acid. Shut in well to allow balls to drop. Fracture stimulated Farmington interval with 70 quality foam as follows:

8000 gals of 70 quality foam pad	20 BPM @ 1400 psi
4000 gallons of 1 ppg 10-20 sand	20 BPM @ 1200 psi
840 gallons of 2 ppg 10-20 sand	20 BPM @ 1200 to 3400 psi
Well screened off. Blew well back to the pit for 5 minutes.	
Pumped back into well as follows:	
4000 gallons of 70 quality foam pad	20 BPM @ 1300 psi
10000 gallons of 1 ppg 10-20 sand	20 BPM @ 1200 psi
4000 gallons of 1½ ppg 10-20 sand	20 BPM @ 1100 psi
7560 gallons of 2 ppg 10-20 sand	20 BPM @ 1100 psi
163 gallons of 70 quality foam flush	20 BPM @ 1100 psi

ISIP = 700 psi staying at 700 for 15 minutes. Total quantity of 70 quality foam pumped = 38,563 gallons. Total sand 36,800 lbs 10-20. Average injection rate: 20 BPM. Average pressure 1200 psi. Maximum pressure 3400 psi. Minimum pressure 1100 psi. Nitrogen injection rate 3752 SCF/MIN. Total nitrogen pumped 163,286 SCF. Total fluid to recover 338 bbls. Shut in well for 2 hours. Flow well to reserve pit through ½" tapped bullplug. Well flowing to clean up.

9-11-83 S.D. for weekend

- 9-12-83 Tripped in hole with 1½" tubing. Tagged sand @ 716 ft. Cleaned out 134' of sand to 850' T.D. Landed 1½" tubing as follows:

<u>DESCRIPTION</u>	<u>LENGTH</u>	<u>DEPTH</u>
Ground level to landing point	-5.00	0- -5
21 jts 1½" EUE 2.4#/ft.		
J-55 10rd used tubing	657.66	-5-653
1 seating nipple	.75	653-654
1 jt. 1½" tubing	32.70	654-686
	<u>686.11</u>	

Well blew around on its own. Well flowing to the pit through ½" choke and making foam. Annular pressure 40 psi. SDFN.

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Robert L. Bayless
West Draw #1
Daily Report

- 9-13-83 Well flowing to the pit through $\frac{1}{4}$ " choke, making some gas and foam.
Annular pressure 15 psi. Shut well in.
- 9-14-83 Overnight shut-in casing & tubing pressure was 425 psi. Flowed well
for 8 hours. Shut in well for AOF.