

INSTRUCTIONS

This form is to be filled with the appropriate District Office of the Commission 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 filled in quadruplicate except on state land, where six copies are required. See hole 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Northwestern New Mexico

Southeastern New Mexico

T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
T. Salt	T. Pictured Cliffs	T. Penn. "D"
B. Salt	T. Miss	T. Leadville
T. Yates	T. Cliff House	T. Madison
T. 7 Rivers	T. Devonian	T. Elbert
T. Queen	T. Silurian	T. McCracken
T. Grayburg	T. Montoya	T. Ignacio Ortiz
T. San Andres	T. Simpson	T. Granite
T. Glorieta	T. McKee	
2886	Base Greenhorn	
T. Paddock	T. Ellenburger	
T. Blinberry	T. Gr. Wash	
T. Tubb	T. Granite	
T. Drinkard	T. Delaware Sand	
T. Abo	T. Bone Springs	
T. Wolfcamp	Rustler 1633	
T. Penn.	T. Permian	
T. Cisco (Bough C)	T. Penn. "A"	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	310	310	Sand & Shell				
310	1521	1211	Red Bed				
1521	1731	210	Anhydrite				
1731	2545	418	Salt				
2545	3011	666	Anhydrite & Salt				
3011	3740	729	Anhydrite				
3740	3992	252	Lime				
3992	4111	119	Lime & Anhydrite				
4111	4515	404	Lime				
4515	4583	68	Lime & Sandy Lime				
4583	6225	1642	Lime				
6225	6225						

SUMMARY OF OPERATIONS

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Bridges State #113

DATE	DESCRIPTION
8-4-66	(1) 1222 drlg red bed, 12½" hole, 1/2° @ 852, spud mud, Leatherwood Drlg. Co. spudded in @ 11:00 A.M. 8-3-66.
8-5-66	(2) 1625 ND, anhy, 12½" hole, 1/4° @ 1350, S. Mud Running 8-5/8" csg.
8-6-66	(3) 1625 ND. WOC on 1625' of 8-5/8" 24# J-55 St&C csg (50 jts), cemented on bottom @ 1625 by Howco w/ 700 sx class A cement w/ 6% gel + 100 sx class A Neat, all cement contained 2% CaCl. PD 1:15 P.M. 8-5-66, cement circ, nipple up csg, inst'l BOP's, prep to drill 7-7/8 hole.
8-9-66	(6) 3600 drlg anhy. 7-7/8" hole. 3/4 @ 3504. Br wtr.
8-10-66	(7) 3980 drlg lm. 7-7/8" hole. 3/4 @ 3740. Br wtr.
8-12-66	(9) 4510 drlg lm. 7-7/8" hole. 1° @ 4390. 10.4-32-30, add oil.
8-13-66	(10) 4705 drlg lm. 7-7/8" hole. 1° @ 4515. 10.2-35-20, 3% oil.
8-16-66	(12) 5414 drlg lm. 7-7/8" hole. NND. 10.2-36-8.4, 3% oil.
8-17-66	(13) 5620 drlg lm & dolo. 7-7/8" hole. ½ @ 5414. 10.1-36-11.0, 4% oil.
8-18-66	(14) 5975 drlg lm & dolo. 7-7/8" hole 3/4 @ 5800. 10.1-36-11.2, 4% oil.
8-20-66	(16) 6225 TD lm. 7-7/8" hole. NND. 10.1-40-7.4, 4% oil. Now running 5½ csg past 3 hrs, PGAC ran GR-Acoustic-Cal & LL logs 1625-6196, total 9 hrs.
8-22-66	6625 TD. WOC 5½ csg. Finish running 5½ csg to 6225, 1222' of 15.5# J-55 ST&C + 5003' 14# J-55 ST&C, total 6225' cemented on bottom by Howco w/ 2000 sx T1LW + 400 sx Incor Neat, PD @ 11:00 A.M. 8-20-66, cement circ, nipple up 5½ csg. Rel Leatherwood Drlg Co rig @ 4:00 P.M. 8-20-66. WO moving rig to #114.
8-24-66	6225 TD. WO #114 loc to move rig.
8-30-66	6225 TD. Will move out tools today,
9-2-66	6225 TD. Nipple up 5½" csg, inst. BOP, ran 4-3/4" bit on 2-3/8 tbg to 6204, PBTD; tested csg w/2000#/30 mins/ok. Disp. wtr to oil, pulled tbg & bit, prep to log & perforate.

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- 9-3-66 6225 TD. Helox ran GR Cor log 4100-6208, then perf 5½ csg in Glo C 5995, 5997, 6000, 6004, 06, 10, 12, 15, 22, 24, 26, 30, 33, 13 holes 1 jt sh per interval, ran 2" tbg to 6034, Guib HW pkr 5971, then sw 24 BLO/2 hrs, sw dry/1 hr, Runco wash perfs 9 hrs @ 2000# press, no break. SD & soaked acid 6 add'l hours.
- 9-4-66 6225 TD, 6204 PBTD, Glor 5995-6033.
Repress tbg to 2000, no break, pkr started leaking, rev out acid, pulled tbg & pkr, reran new pkr, tbg @ 6034, pkr 5971, Runco acidized Glor perfs 5995-6033 w/ 1000 gals 15% NE acid, BDTP 3200#, TTP 3000-3450#, AIR 1.3 BPM, ISDTP 3200#, 5 min SDTP 2600#, job compl 1:24 P.M. 9/3/66, then sw 24 BLO + 7 BAW/4 hrs, 100' FIH, sli sh gas, 1 hr sw 1 BF, S/O 30% AW, SI 13 hrs, TP 50#.
- 9-5-66 6225 TD, 6204 PBTD, Glor 5995-6033
Sw 6 BNO + 9 BAW 3 hrs, then moved tbg to 5970, pkr 5907, then Runco Co acidized perfs w/ 2000 gals 15% NE acid + 10 RCN ball sealers, TTP 3800-3900#, AIR 4 BPM, ISDTP 3500#, 5 min SITP 2800#, job compl 1:30 P.M. 9/4/66, then sw 24 BLO + 7 BNO + 8 BAW 4 hrs, 200' FIH, fr sh gas, 1 hr sw 4 BF, S/O 50% AW. SI 12½ hrs, TP 75#. Lack 57 BAW to rec.
- 9-6-66 6225 TD, 6204 PBTD, Glor 5995-6033
From Glor perfs sw 17 BNO + 10 BAW/11½ hrs, 100' FIH, sl sh gas, 1 hr sw 1 BF, S/O 10% AW. SI 13 hrs, TP 75#, 2000' FIH. Lack 47 BAW to rec.
- 9-7-66 6225 TD, 6204 PBTD, Glor Perfs (5995-6033)
Sw 16 BNO + 4 BAW/7 hrs, 60' FIH, then Runco reacidized Glor perfs w/5000 gals 15% NE acid + 26 RCN ball sealers, TTP 4000-5800, avg injection rate 0.1 B/min., ISDTP 2300, 5 min SDTP 2300, job complete 3:00 P.M. 9-6-66, then swab 24 BLO + 93 BAW/13½ hrs, last hour swab 4½ BF, S/O 100% AW 150' FIH, lack 69 BAW to rec.
- 9-8-66 6225 TD, 6204 PBTD, Glor Perfs (5995-6133)
From zone (5995-6033) sw 7 BNO + 12 BAW/3 hrs, pulled tubing & Pkr Helox perf Gloriatta zone at 6095, 97, 6100, 04, 06, 10, 12, 15, 22, 24, 26, 30 and 33 - 1 jt sh per interval, then ran 2" tubing to 6137, Guib. HW pkr @ 6067, SD for night, prep to sw test.
- 9-8-66 6225 TD, 6204 PBTD, Glor Perfs (5995-6133)
Sw 40 BLO + 12 BSW/5½ hrs, 1200' FIH, last hour swab 11 BF, S/O 28% wtr, pulled tubing and pkr, ran Halliburton RBP & RTTS pkr on 2-3/8 tubing set BP at 6075, loaded hole w/water, set RTTS pkr at 6060, tested BP w/4000#/ck. Hallib spotted 25 sx ed on BP, then reset pkr at 5900, Halliburton sq. Glor perfs 5995-6033 w/200 sx Trinity Inferno neat cement, Max sq press. 5500, rev. out 15 sx, job complete 5:30 P.M. 9-8-66. Pulled pkr to 5660, SD for night, prep to D/O

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DATE	DESCRIPTION
9-12-66	Cont'd Pulled RTTS pkr, ran 4-3/4 bit csg scraper, M & B drilling out cement 3000-3040/3 hrs, press to 2000# 30 min/ok, washed sd from REP at 6075, Pulled BLS & DC, ran ret head, attempt to ret BP, no success; pulled ret head, ran 4-1/16" EGS ret BP, ran 4-3/4 bit csg scraper, D/O cement 6077-6006 1/2 hr, disp. wtr to oil, press to 2000#, bled to 1800/10 mins, pulled bit, ran 2-3/8 tubing to 6137, Guib. HW pkr 6067, disp. hole to oil, then sw 31 BLO/2 hrs, sw dry 1 hr, prep to acidize 1000 gals 15% NE.
9-13-66	6225, TD, 6204 PSTD, Glor Perfs (6095-6133) Swab dry 3 hrs, Runco acidized perfs w/1,000 gal 15% NE acid, TTP 2000 to 2950#, rate .4 BPM, ISIP 2400#, 5 min SIP 2200#, job complete 12:05 P.M. 9-12-66. Had 14 bbls acid on formation, communicated around pkr, reset pkr. @ 5971, finish displacing acid, then swab 24 BLO + 6 BNO + 24 BAW + 10 BFW in 16 hrs, last hour swab 1 1/2 bbls S/O 25% wtr, 40% BS, fr show of gas, 150' FIH.
9-14-66	Swab 5 BNO + 12 BSW in 6 hrs, Runco acidized perfs w/4000 gal 15% NE acid using 15 RON ball sealers, TTP 4000#, rate 6.2 BPM, ISIP 3400#, 5 min SIP 3000#, job complete @ 2:20 P.M. 9-13-66. Swab 24 BLO + 8 BNO + 54 BAW in 10 hrs, 500' FIH, sl sh of gas, sw 5 bbls last hour S/O 90% AW, lack 42 BAW to rec. Unit down for repairs past 5 hrs.
9-16-66	Swab 32 BNO + 45 BSW in 22 hrs, 75' fluid in hole, sl sh of gas, last hour swab 2 bbls S/O 50% SW.
9-17-66	Swab 13 BNO + 12 BSW/6 hrs, L hr sw 4 bbls, S/O 50% SW, then Runco acidized perfs w/ 10,000 gals 15% NE acid using 700# crushed moth balls, TTP 4400-4900#, rate 7.1 BPM, ISIP 3100#, 5 min SIP 2900#. Job compl 2:00 P.M. 9-16-66. Swab 30 BLO + 12 BNO + 92 BAW/14 hrs, L hr swab 9 bbls; S/O 80% AW, 20% oil, cont'd to swab, gd sh of gas. Lack 148 BAW to rec.
9-19-66	Swab 35 BNO + 131 BAW/24 hrs, then swab 34 BNO + 17 BAW + 37 BAW/16 hrs, Last 6 hrs swab 16 BNO + 31 BFW, 200' FIH, sl sh of gas, Prep to put on pump.
9-20-66	Pull tbg & pkr, ran 193 jts, 6164' of 2-3/8 EUE 8 rd J-55 tbg, oranged pooled to 6164, T perfs 6120-33, SN @ 6129, remove BOP, inst'l wellhead Released DA&S Well Serv Unit. Rel to Production to set pumping unit @ 2:00 P.M. 9-19-66.
9-21-66	Setting pumping unit

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1-22-66 1-23-66

1-22-66 Finish setting pumping unit. Prep to run rods & pump.

1-23-66 2 13 DNO, no wtr/3 hrs, unit down 7 hrs. Prep to potential.

1-23-66 5225 TD, 6204 PBD, GOR (6095-6133) OA.
On OCC Pot Test: P 87 DNO + 55 DOW/24 hrs. GOR 30/1. Grav 38.1
@ 60. Allow 62 BOPD, top field allow 62 BOPD. 1½x74" pump 12 SPM.
FINAL REPORT.