

COUNTY	LEA	FIELD	Bagley, North	STATE	NM
OPR	SOUTHLAND ROYALTY COMPANY				MAP
	1 Lea Graham State				
	Sec. 3, T-11-S, R-33-E				CO-ORD
	554' FSL, 2086' FEL of Sec.				MN 21842
	Spd 8-30-66; Cmp 10-30-66 (U/Penn) CLASS				EL
	Cmp 10-25-66 (L/Penn)				
		FORMATION	DATUM	FORMATION	DATUM
CSG & SX - TUBING					
13 3/8" 379'	350				
9 5/8" 4000'	700				
7" 10249'	700				
LOGS EL GR RA IND HC A					
TD 10260'; PBD 10212'					
IP Upper Pennsylvanian Perfs 9556-9570' Flwd 273 BOPD + 72					
BW. Pot. Based on 24 hr test thru 24/64" chk., TP 280#.					
IP Lower Pennsylvanian Perfs 10120-176' Flwd 278 BOPD + 234					
BW. Pot. Based on 24 hr test thru 22/64" chk., TP 500#;					
Gravity 44., GOR 1760.					
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CONT.	Cactus Drlg. Co.				PROP DEPTH 10,200'
DATE					TYPE

F.R. 9-1-66
PD 10,200' - Pennsylvanian
Contractor - Cactus

9-7-66 TD 4000', rng 9 5/8" casing.

9-12-66 Drlg. 5288' lm.

9-19-66 Drlg. 7600' lm & sh.

9-26-66 Drlg. 9623' lm & ch.

10-4-66 TD 9523', prep core.
DST 9170-9208', open 1 hr,
rec 400' Sli GCM,
30 min ISIP 370#, FP 231-231#,
45 min FSIP 277#, HP 4593#.

10-10-66 TD 10110', prep core.
Cored 9523-61', rec 38' being:
32' dns, tight lm., w/sh strks, NS;
6' lm., w/good PPP & Sli Stain.

10-10-66

Cont.

DST 9550-61', open 2 hrs 30 mins,
GTS 5 mins @ 404 MCFGPD increasing to
439 MCFGPD,
Rec 2730' free oil (Gravity 44.), 90'
HO&GCM + 90' Wtr,
1 hr ISIP 1870#, FP 116-451#,
1 hr FSIP 1855#.
Cored 9935-55', rec 18' being:
4' sh; 5' dns lm; 9' lm., w/scatt
poro (Bottom 4' vuggy w/bldg salt wtr & gas)
DST 9935-55', open 1 hr 10 mins,
GTS 50 mins @ TSTM,
Rec 120' GCM + 7400' Salt Wtr, NS,
30 min ISIP 3416#, FP 1295-3330#,
30 min FSIP 3416#.

10-17-66

TD 10260', MORT.

Cored 10110-155', rec 44' grey foss lm.,
w/scatt poro & vuggs.

DST 10121-155', open 1 hr 30 mins

GTS 8 mins @ 325 MCFGPD decreasing to
120 MCFGPD @ end of test,

Rec 90' GCM, 455' HO&GCM, 90' free oil
(Gravity 46.) + 41' Salt Wtr,
30 min ISIP 3287#, FP 86-173#,
no FSIP Recorded.

Cored 10155-192', rec 35' foss xlyn lm.,
w/poro throughout, bldg oil, gas & wtr.

DST 10150-192', open 1 hr 15 mins,

GTS 4 mins @ 1000 MCFGPD, MTS 23 mins,
OTS 40 mins,

Rec 3570' free oil (Gravity 44.) + 930'
salt wtr,

30 min ISIP 3215#, FP 1094-1842#,

2 hr FSIP 3108#.

10-24-66 TD 10260', PBD 10212', prep Acid.
Perf (L/Penn) 10120-131', 10153-176' W/1 SPI
Swbd dry (10120-176')
10-31-66 TD 10260', PBD 10212', tstg.
Acid (10120-176') 1000 gals.
Flwd 137 BO + 122 BW/15 hrs thru 18/64"
chk., TP 750#, GOR 4230.
Set Pkr @ 10,000'
Perf (U/Penn) 9556-70' W/1 SPF
Acid (9556-70') 500 gals.
Flwd 126 BF in 11 hrs (2% wtr) thru 24/64"
chk., TP 240#, GOR 1728.
11-7-66 TD 10260', PBD 10212', SI Storage.
11-14-66 TD 10260', PBD 10212', SI Storage.
Flwd 195 BO + 50 BW/24 hrs thru 14/64" chk.,
TP 250# (9556-70')

Flwd 200 BO + 245 BW/24 hrs thru 27/64" chk.,
TP 400# (10120-176')
11-21-66 TD 10260', PBD 10212', SI Storage.
11-28-66 TD 10260', PBD 10212', prep potential.
12-5-66 TD 10260', PBD 10212', COMPLETE.
LOG TOPS: Base Salt 2270', Yates 2490',
Queen 2960', San Andres 3745', Glorieta 5147',
Tubb 6517', Abo 7320', Bough "C" 9180',
Canyon 9402', Strawn 10052'.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

19 1970

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

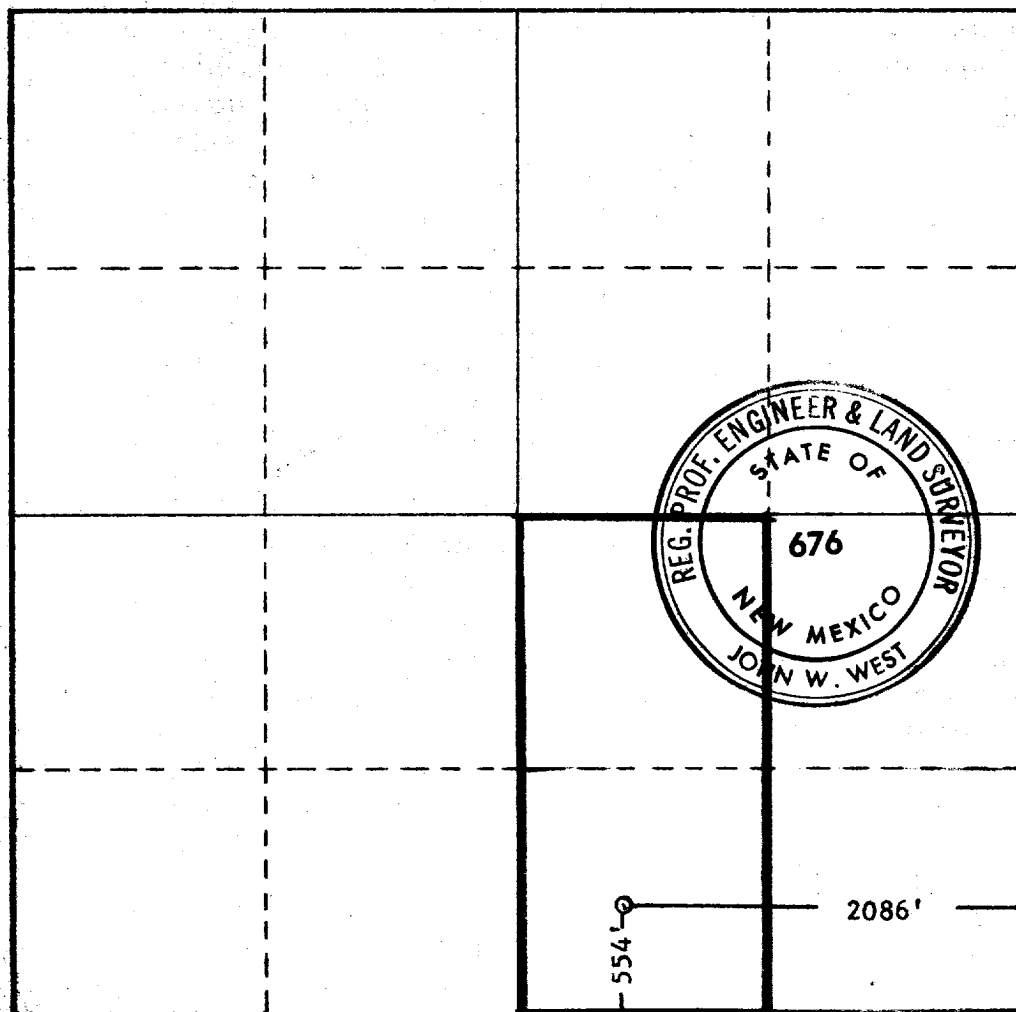
Operator SOUTHLAND ROYALTY COMPANY			Lease Graham State		Well No. 1
Unit Letter O	Section 3	Township 11 SOUTH	Range 33 EAST	County LEA	
Actual Footage Location of Well: 554 feet from the SOUTH line and 2086 feet from the EAST line					
Ground Level Elev. 4261.6	Producing Formation Pennsylvanian	Pool Uniting. (M. Bagley Ent.)	Dedicated Acreage: 89.33 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. 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?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

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, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name
Alton C. Goodrich
Position
Dist. Prod. Superintendent
Company
Southland Royalty Company

Date
August 26, 1966

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
AUG. 12, 1966

Registered Professional Engineer and/or Land Surveyor

John W. West
Certificate No.

676

0 500 600 700 1220 1890 1980 2310 2640 2000 1800 1000 500 0