

PERMO
 Pool NORTH BAGLEY LOWER PENN Operator Roberts & Hammack, Inc.
Sam Boren Natural Energies, Inc.

Lease Gulf Sohio State Well No. 1 Unit H S 8 T 11 R 33

DATE OF TEST	9	Daily Allowable	PRODUCED DURING TEST			Gas Oil Ratio	Packer Leakage Field
			Water, Bbls.	Oil, Bbls.	Gas, MCF		
9-23-65	24	173	247	96	69.6	725	
7-29-66	24	96	100	25	4.2	168	
2-25-67	24	25	720	140.0	8.3	59	
6-19-67	24	140	656	242	334.5	1382	
1-3-68	24	242	285	373	415.2	1113	
4-15-68	24	250.0	150.0	383.0	450.0	1175	
8-6-68	24	329	150	383.0	290.1	757	
7-1-69	24	200	125	200	87.5	438	
7-6-70	24	160	164	164	183.8	1121	
6-15-71	24	164	152	109	72	662	
9-8-72	24	66	102	69	58	840	
9-18-73	24	69	88	48	43	896	
8-6-74	24	40	150	38	39.4	1036	
8-11-75	24	38	145	36	40.0	1111	
9-12-76	24	38	145	20	10.0	525	
6-10-77	24	20	108	11	5.8	527	
7-24-78	24	11	130	11	5.5	500	
6-25-79	24	11	96	10	5.6	560	
6-4-80	24	10	123	10	5.7	570	
6-16-81	24	10	97	8	5.5	688	
6-10-82	24	8	85	8	5.2	650	
6-7-83	24	8	90	8	6.0	750	
6-13-84	24	8	90	7	6.2	886	

Operator

JFG Enterprises
Greenwood Holdings Inc.
~~Roberts & Hammack, Inc.~~

Lease Gulf Sohio State

Well No. 1Unit NH S 8 T 11 R 33[illegible]

COUNTY - <u>LEA</u>		FIELD <u>Wildcat</u>		STATE <u>NM</u>	
WC	OPR	<u>BOREN, SAM</u>			MAP
<u>1 Gulf-Sohio State</u>					
<u>Sec. 8, T-11-S, R-33-E</u>					
<u>1980' fr N Line & 660' fr E Line of Sec.</u>					
<u>Spd 4-19-65</u>					
<u>Cmp 9-1-65</u>					
		CLASS		EL	
CSG & SX - TUBING		LOG:	FORMATION	DATUM	FORMATION
11 3/4" 389' 400			Yates 2451		
8 5/8" 4000' 450			Queen 3135		
5 1/2" 10355' 800			SA 3703		
			Glor 5148		
			Tubb 6543		
			Abo 7337		
LOGS EL GR RA IND HC A			Wolfc 8477		
TD 10355', PBD 10341'					
IP Pennsylvanian Perfs 9420-10328' Gas Lift 237 BOPD + 158 BW.					
Pot. Based on 24 hr test, gravity 40.					

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CONT. Forster Drlg. Co. PROP DEPTH 10,350' TYPE
DATE

F.R. 4-22-65; Oper's Elev. 4308' KB
PD 10,350' - Strawn
Contractor - Forster Drlg. Co.
4-20-65 Drlg. 40'.
4-26-65 Drlg. 105'.
5-3-65 Drlg. 165' sd & sh.
5-10-65 TD 170', RU Rot.
5-17-65 Drlg. 3890' lm.
5-24-65 Drlg. 5058'.
6-1-65 Drlg. 7965' lm.
6-7-65 TD 8726', prep to drill.
DST 8713-26', open 1 hr,
rec 240' O&GCM,
30 min ISIP 2675#, FP 0-0#,
1 hr FSIP 1625#.

14-65 Drlg. 9530' lm.
DST 9170-88', open 1 hr,
rec 7000' salt wtr,
30 min ISIP 3425#, FP 2500-3400#,
1 hr FSIP 3400#.

6-21-65 TD 10200', prep to DST 10045-200'.
DST 9383-9425', open 1 hr,
rec 244' OCM, 463' oil + 60' Salt Wtr,
30 min ISIP 3375#, FP 300-325#,
1 hr FSIP 3325#.
DST 9540-49', open 1 hr,
rec 20' sli GCM,
30 min ISIP 2950#, FP 0-0#,
30 min FSIP 1675#.
DST 9701-55', open 1 hr,
rec 90' DM + 410' GC Salt Wtr,

30 min ISIP 3875#, FP 250-375#,
30 min FSIP 3675#.

6-28-65 TD 10355', WOC.
DST 10045-200', open 2 hrs 30 mins,
GTS 5 mins @ Est. 200-300 MCFGPD,
M&OTS 1 hr, Unloaded mud & oil for 1½ hrs
(70% oil),
Rev out 2627' oil + 1000' salt wtr,
30 min ISIP 3250#, FP 1000-1950#,
1 hr FSIP 3200#.
Att. DST @ 10260', mis-run.
DST 10203-260', open 1 hr,
rec 308' GCM,
30 min ISIP 2375#, FP 0-0#,
1 hr FSIP 1625#.

6-28-65 Continued
DST 10315-335', open 1 hr,
rec 172' O&GCM,
30 min ISIP 3375#, FP 0-0#,
1 hr FSIP 3250#.
7-6-65 TD 10355', WOO.
7-12-65 TD 10355', WOC.
7-19-65 TD 10355', swbg.
Perf 10054-070', 10096-104', 10168-180',
10234-250', 10312-328' W/4 SPF
Ac. 1000 gals (10312-328')
7-26-65 TD 10355', PBD 10341', prep to squeeze
perfs 10096-180'.
Swbd 10 BFPH (50% oil, 50% salt wtr) from
perfs 10312-328'.
Ac. 1000 gals. 10234-250'

Swbd 25 BF/24 hrs (50% oil, 50% AW) 10234-250'
Ac. 1000 gals. 10168-180'
Hole full of wtr; FL 1500' from surface,
could not swab down.
Ac. 500 gals. 10096-104'
Swbd water.
8-2-65 TD 10355', PBD 10341', prep to re-perf.
Squeezed perfs 10096-180' W/66 sx.
8-9-65 TD 10355', PBD 10341', prep to re-squeeze.
Re-Perf 10054-070' W/4 SPF
Ac. 3000 gals. 10054-070'
Swbd 100% form. wtr.
Re-Perf 10168-178' W/1 SPF
Ac. 500 gals. 10168-178'
Swbd load & swbd 100% form. wtr.
squeezed perfs 10054-250'.

8-16-65 TD 10355', PBD 10341', swbg.
Re-squeezed perfs 10054-250'
Re-Ac. 1000 gals 10312-328'
8-23-65 TD 10355', PBD 10341', RU Gas Lift.
Swbd 7 BOPH + 40% form. Wtr 10312-328'
Perf 9570-80' W/4 SPF
Ac. 1000 gals. 9570-80'
Swbd 8-10 BFPH (50% oil, 50% wtr)
Perf 9420-28' W/4 SPF
Ac. 1000 gals 9420-28'
Swbd 5 BO + 5 BW Per Hr.
8-30-65 TD 10355', RU Gas Lift Equipment
9-7-65 TD 10355', tstg.
Flwd 40 BO + 260 BW/24 hrs on Gas Lift.
9-13-65 TD 10355', PBD 10341', COMPLETED.

LOG TOPS: Bough "C" 9162', Cisco 9240',
Canyon 9524', Strawn 9940'.

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

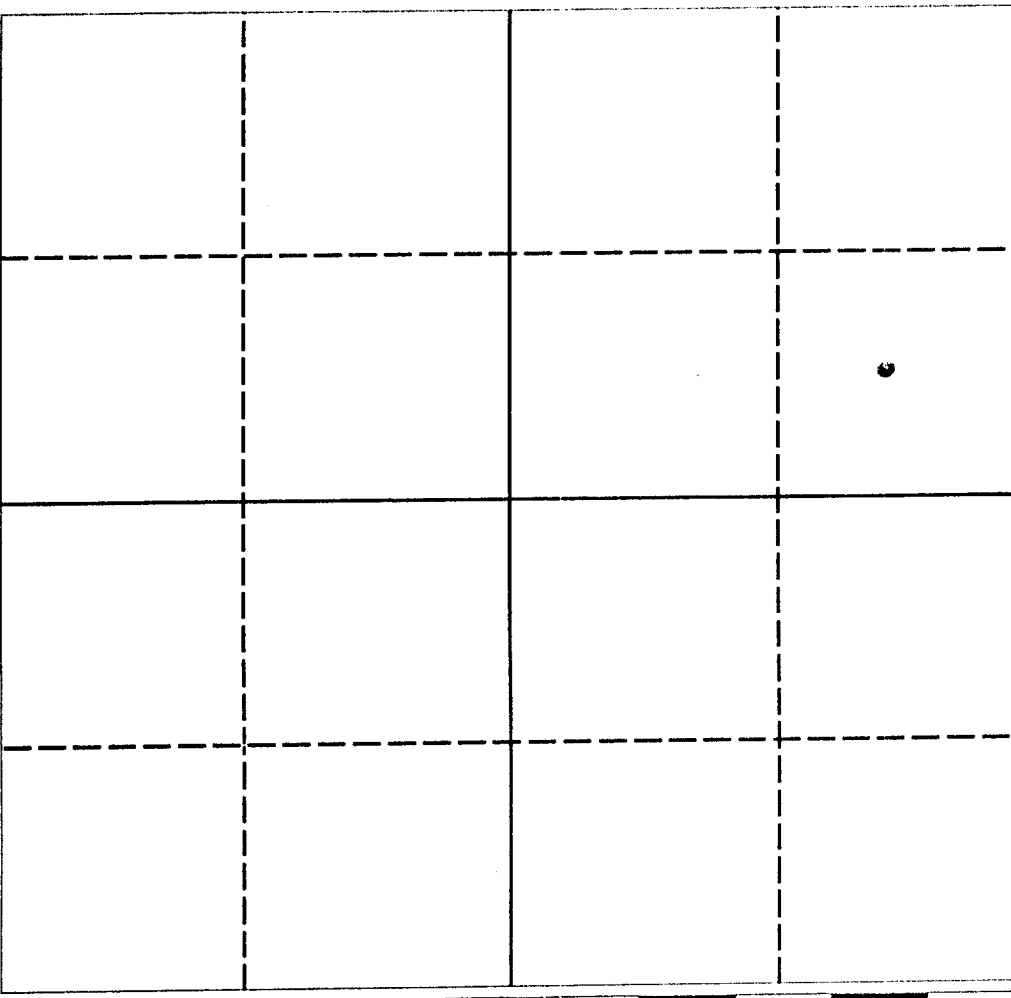
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Roberts & Hammack Inc.			Lease Gulf-Sohio State		Well No. 1
Unit Letter H	Section 8	Township 11S	Range 33E	County Lea	
Actual Footage Location of Well: 1980 feet from the North line and 660 feet from the East line					
Ground level Elev. 4296	Producing Formation Wolfcamp B		Pool North Bagley Permo Penn		Dedicated Acreage: 80 Acres
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 interest 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 interest, has been approved by the Division.					
				OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. <i>[Signature]</i> Signature John A. Gardere Printed Name Field Representative Position Roberts & Hammack, Inc. Company 11/13/89 Date	
				SURVEYOR CERTIFICATION 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 _____ Signature & Seal of Professional Surveyor _____ Certificate No. _____	