

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator
MERIDIAN OIL

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M
860' FNL, 825' FEL, Sec.29, T-29-N, R-11-W, NMPM, San Juan County

API # (assigned by OCD)
30-045-23672

5. Lease Number
Fee

6. State Oil&Gas Lease #

7. Lease Name/Unit Name
Mangum

8. Well No.
5E

9. Pool Name or Wildcat
Otero Chacra/Basin Dakot

10. Elevation:

Type of Submission

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

Type of Action

☐ Abandonment ☐ Change of Plans
☐ Recompletion ☐ New Construction
☐ Plugging Back ☐ Non-Routine Fracturing
☐ Casing Repair ☐ Water Shut off
☐ Altering Casing ☐ Conversion to Injection
☒ Other - Packer & bradenhead repair

13. Describe Proposed or Completed Operations

It is intended to repair the packer and bradenhead on the subject well according to the attached procedure and wellbore diagram.

RECEIVED
JUN 16 1995
OIL CON. DIV.
DIST. 3

SIGNATURE *[Signature]* (LWD2) Regulatory Affairs June 15, 1995

(This space for State Use)

Approved by *Johnny Robinson* DEPUTY OIL & GAS INSPECTOR, DIST. #3
Title _____ Date JUN 16 1995

Workover Procedure

Mangum #5E

Chacra/Dakota Duel - Packer Repair/ Bradenhead Repair

Sec. 29, T-29-N, R-11-W

San Juan County, New Mexico

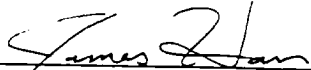
DPNO 46232, 46233

6/12/95

1. Comply to all NMOCD, BLM, and MOI regulations. Conduct daily safety meetings for all personnel on location.
2. Test location rig anchors and repair if necessary. Prepare blow pit. MOL and RU daylight pulling unit. Install a 400 bbl frac tank and an atmospheric blow tank. NU blooie line to blow pit, and relief line to atmospheric tank. Fill frac tank with 2% KCl water.
3. Blow down tubing both Chacra and Dakota tubing to atmospheric tank. Control well with 2% KCl water as needed. ND wellhead and NU BOP's. Test and record operation of BOP's. Send well head to A-1 Machine or WSI for inspection.
4. PU additional joints of 1-1/2" tubing and RIH with Chacra tubing and CO to the Guiberson Uni-packer VI at 2705' with air. TOOH and LD 1-1/2", 2.76#, IJ, Chacra tubing. Visually inspect tubing string (on trip), and replace joints of tubing that are in bad condition. Release Guiberson Uni-packer VI at 2705' and TOOH with 1-1/2", 2.9#, EUE, Dakota tubing (To release, find neutral point, turn 1/4 turn to the right and PU). Visually inspect tubing string (on trip), and replace joints of tubing that are in bad condition. Redress Guiberson Uni-packer VI. PU 2-3/8" workstring and RIH with 4-3/4" bit and scraper to PBTD of 6213'. TOOH.
5. PU 5-1/2" RBP and 5-1/2" Fullbore packer. TIH and set RBP at 5899' (100' above Dakota perfs). Pressure test RBP to 1000# with 2% KCl water. Set 5-1/2" Fullbore packer at 2745' (100' below Chacra perfs). Pressure test 5-1/2" casing to 1000# PU to 2430' and set packer. Test annulus to 1000#. If pressure test fails, isolate leak and design cement squeeze job as appropriate. Spot 30' of sand on top of RBP. TIH and PU retrievable RBP and TOOH.
6. Run CBL (with 1000# pressure) to determine TOC. Estimated TOC is 400' per temperature survey. Contact Operations Engineer for design of squeeze cement.
7. Perforate 4 squeeze holes 20' above TOC. Pressure up casing to 500#. Establish rate into perforations with bradenhead valve open.
8. TIH with 4 stands of 2-3/8" workstring. Close pipe rams on BOP. Mix and pump cement with turbulent flow behind pipe. Close bradenhead valve and squeeze cement into perforations, max pressure 1000#. TOOH and repressure squeeze. Maintain squeeze pressure and WOC 12 hours (overnight).
9. TIH with 4-3/4" bit and drill out cement. Pressure test casing to 1000#. Test bradenhead valve for flow. Re-squeeze as necessary to hold pressure and to stop bradenhead flow.
10. Retrieve RBP and TOOH. TIH and blow well clean and obtain gauges, and POOH. (At this point acid or solvent wash could be used in the perfs if necessary.)

11. TIH with Dakota tubing with seating nipple and pump-out plug one joint off bottom and Guiberson Uni-packer VI set at 2810'. Land tubing near bottom of Dakota perfs at 6120'. Hydrotest 1-1/2" tubing above slips to 2000#, from one joint below Guiberson Uni-packer VI to surface. TIH with Chacra tubing with a seating nipple and pump-out plug one joint off bottom. Run perforated orange-peeled sub on bottom. Land 1-1/2" tubing near bottom Chacra perfs at 2645'.
12. ND BOP and NU wellhead. Pump out plugs. Record final gauges. Return well to production.

Recommended:


Summer Engineering Intern

Approval:


Drilling Superintendent

PERTINENT DATA SHEET

6/2/95

WELLNAME: Mangum #5E				DP NUMBER: Chacra 46232 Dakota 46233 PROPERTY NUMBER: 0500303 0023220			
WELL TYPE: Otero Chacra Basin Dakota				ELEVATION: GL: 5398' KB: 5410'			
LOCATION: 860' FNL & 825' FEL Sec 29, T-29-N, R-11-W San Juan County, New Mexico				INITIAL POTENTIAL: CK/CH AOF 787/2340 Mcf/d INITIAL SICP: DK 1,017 06-28-80 CH 676 psig 10-15-82 CURRENT SICP: DK 536 psig 07-06-93 CH 562 07-08-93			
OWNERSHIP: Chacra Dakota GW: 62.5000% 25.0000% NRI: 10.9375% 21.7813% SJBT: 37.5000% 75.0000%				DRILLING: SPUD DATE: 12-28-79 COMPLETED: 05-03-80 TOTAL DEPTH: 6255' PBTD: 6213'			
CASING RECORD:							
<u>HOLE SIZE</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>DEPTH</u>	<u>EQUIP.</u>	<u>CEMENT</u>	<u>TOC</u>
12-1/4"	9-5/8"	32.3#	H-40	229'		275 sx	Surface
7-7/8"	5-1/2"	15.5#	K-55	6255'		750 sx	400' (TS)
Tubing (Chacra)	1-1/2"	2.76#	J-55	2543'	DV tools @ 1549' & 4281'	Stage #1 - 160 sx Stage #2 - 210 sx	
Tubing (Dakota)	1-1/2"	2.9#	J-55	6118'	Guiberson Uni-packer VI @ 2705'	Stage #3 - 280 sx	
FORMATION TOPS:							
Nacimiento					Point Lookout	3895'	
Ojo Alamo					Gallup	5135'	
Kirtland					Greenhorn	5892'	
Fruitland					Graneros	5951'	
Pictured Cliffs			1518'		Dakota	6080'	
Chacra							
Cliff House							
Menefee							
LOGGING: IES, GR-Density, GR-CBLVDL, GR/CCL							
PERFORATIONS Chacra: 2530' - 2538', 4 holes; 2541', 2552', 2625', 2641', 2645', 5 holes - 9 holes total Dakota: 5999', 6004', 6010', 6021', 6026', 6084', 6094', 6100', 6106', 6112', 6117', 6123' - 12 holes total							
STIMULATION: Chacra: Fraced w/ 59,500 gals. 75 quality foam and 80,000 # of 10/20 sand Dakota: Fraced w/ 88,770 gals. 30# gel and 72,600# of 20/40 sand							
WORKOVER HISTORY:							
PRODUCTION HISTORY:							
<u>Gas</u>	<u>Oil</u>		<u>DATE OF LAST PRODUCTION:</u>		<u>Gas</u>	<u>Oil</u>	
Cumulative as of 1995:	288.2 MMcf	0 bo	Chacra		1.4 MMcf/m	0 bo	Mar-95
Current:	1.4 MMcf/m	0 bo					
Cumulative as of 1995:	612.0 MMcf	5.1 Mbo	Dakota		1.4 MMcf/m	0 bo	
Current:	1.4 MMcf/m	0 bo					
PIPELINE: Chacra: Gas Company of New Mexico Dakota: Sunterra Gas Gathering Co.							

Mangum #5E

CURRENT - 6/1/95

DPNO: 46232 / 46233
Otero Chacra/Basin Dakota

860' FNL, 825' FEL,
Section 29, T-29-N, R-11-W,
San Juan County, New Mexico

Date: 06-2-95
Spud: 09-26-80
Completed: 01-27-81

Pictured Cliffs @ 1518'

Point Lookout @ 3895'

Gallup @ 5135'

Greenhorn @ 5892'
Graneros @ 5951'

Dakota @ 6080'

