

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

790'FNL, 990'FWL, Sec.15, T-26-N, R-9-W, NMPM

5. Lease Number

NM-03154

6. If Indian, All. or

Tribe Name

7. Unit Agreement Name

8. Well Name & Number

Ballard #11

9. API Well No.

30-045-13318

10. Field and Pool

Angels Peak Gallup/
Basin Dakota

11. County and State

San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☒ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☒ Other - plug Gallup

13. Describe Proposed or Completed Operations

It is intended to plug the Gallup formation and repair casing if necessary according to the attached procedure and wellbore diagram. The well will then be produced as a single Dakota.

RECEIVED
FEB 13 1995

OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct.

Signed *[Signature]* (ROS1) Title Regulatory Affairs Date 2/1/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____ Date _____

CONDITION OF APPROVAL, if any:

APPROVED

FEB 06 1995

DISTRICT MANAGER

NMOCD

PERTINENT DATA SHEET

WELLNAME: Ballard #11 GP-DK Dual	DP NUMBER: GP 53571A DK 53571B																																								
WELL TYPE: Angels Peak Gallup Basin Dakota	ELEVATION: GL: 6304' KB: 6314'																																								
LOCATION: 790' FNL 990' FWL NW Sec 15, T26N, R09W San Juan County, New Mexico	INITIAL POTENTIAL: GP AOF 2.270 MCF/D DK AOF N/A MCF/D SICP: GP 12/61 362 PSIG DK 4/92 632 PSIG																																								
OWNERSHIP: GWI: 100.000000% NRI: 65.625000%	DRILLING: SPUD DATE: 10-06-61 COMPLETED: 12-01-61 TOTAL DEPTH: 6803' PBTD: 6753' COTD: 6753'																																								
CASING RECORD: <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>HOLE SIZE</th> <th>SIZE</th> <th>WEIGHT</th> <th>GRADE</th> <th>DEPTH</th> <th>EQUIP.</th> <th>CEMENT</th> <th>TOC</th> </tr> </thead> <tbody> <tr> <td>12-1/4"</td> <td>8-5/8"</td> <td>24.0#</td> <td>J-55</td> <td>332'</td> <td>-</td> <td>200 sx</td> <td>surface</td> </tr> <tr> <td>7-7/8"</td> <td>5-1/2"</td> <td>15.5#</td> <td>J-55</td> <td>6793'</td> <td>DV Tool @ 2234' automatic fill shoe & collar @ 6793'</td> <td>100 sx 250 sx</td> <td>1567' (75%) 4800' (TS)</td> </tr> <tr> <td>Tubing (GP)</td> <td>2-1/16"</td> <td>3.25#</td> <td>N-80</td> <td>5685'</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Tubing (DK)</td> <td>2-1/16"</td> <td>3.25#</td> <td>N-80/J-55</td> <td>6378'</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p style="margin-top: 10px;">(Gallup) Standing Valve on bottom @ 5685'. 9 jts tbg, lift valve @ 5393', 13 jts tbg, lift valve @ 4970'. 12 jts tbg, lift valve @ 4581', 18 jts tbg, lift valve @ 3999'. 17 jts tbg, lift valve @ 3448'. 107 jts (3 subs) 2-1/16" 3.25# N-80, tbg. (Dakota) Ran 197 jts 2-1/16" N-80, 2 jts 2-1/16" J-55, 1 jt (9.8' pup) set at 6378'. Set Baker Model D prop. packer @ 6324'. Anchor for Gallup tubing @ 5717'</p>		HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT	TOC	12-1/4"	8-5/8"	24.0#	J-55	332'	-	200 sx	surface	7-7/8"	5-1/2"	15.5#	J-55	6793'	DV Tool @ 2234' automatic fill shoe & collar @ 6793'	100 sx 250 sx	1567' (75%) 4800' (TS)	Tubing (GP)	2-1/16"	3.25#	N-80	5685'				Tubing (DK)	2-1/16"	3.25#	N-80/J-55	6378'			
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PERFORATIONS Gallup: 5728' - 5790', w/2 SPF. 5824' - 5840', w/4 SPF, Total 188 holes. Dakota: (Stage 1) 6516' - 6548' (Stage 2) 6412' - 6432'																																									
STIMULATION: Gallup: Ran tbg and spotted 500 gal. 15% mud acid. Pumped into formation @ 1.5 BPM and 1200 psi. Dakota: (1st Stage) Frac w/3500 HP 50.000# 20/40 sand, 50,000 gal. wtr., 375 gal WK-1, 350# J-2. 1000# F-4 (2nd Stage) Frac w/same materials in wtr. 50,000 gal and 40,000# sand as stage 1.																																									
WORKOVER HISTORY: 7-7-64/7-9-64 Pulled Gallup tubing, reran with gas lift valves @ 3448', 3999', 4581', 4970', and 5393'. Standing valve @ 5685'. 9-24-63/10-2-63 Repair tbg leak on Dakota string. Found 5 leaky connections w/pins slightly washed out. Laid bad down. Set new Baker Model "D" producing Pkr on wireline @ 6324'. Ran 197 jts. 2-1/16" N-80, 2 jts 2-1/16" J-55, and 1 pup jt (9.8'). Tbg anchor for Gallup string @ 5717'. Swab. Hot Oil Gallup tbg. Tbg plugged. Pulled 2000' of Gallup tbg. CO paraffin.																																									
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Ballard #11
Angels Peak Gallup/Basin Dakota
NW Section 15, T-26-N, R-9-W
Recommended Procedure to P&A the Gallup

1. Comply with all NMOCD, BLM and Meridian safety and environmental regulations. Test rig anchors and build blow pit prior to moving in rig.
2. MOL and RU workover rig. Blow well down. NU 7-1/16" 3000 psi (6" 900 series) BOP with flow tee and stripping head. NU blooie line and 2-7/8" relief lines. Test and record operation of BOP rams. Kill well with 1% KCL water only if necessary. Have christmas tree serviced at A-1 Machine.
3. TOH with 2-1/16" Gallup tbg (176 jts w/lift valves @ 3448', 3999', 4581', 4970', 5393', and standing valve on bottom @ 5685'). TOH with 2-1/16" Dakota tbg (199 jts and a 10' pup @ 6378') and anchor latch seal assembly (To release packer seal assembly, find free point, rotate 15 turns to the right). Visually inspect tbg for corrosion and have packer seal assembly redressed at Baker Oil Tools (Store for future use). TOH. Standback 2-1/16" tbg; PU 2-3/8" workstring. TIH with packer plucker and retrieve Baker Model "D" packer.
4. PU 2-3/8" workstring and TIH with 5-1/2" casing scraper to 6753'. TIH with 5-1/2" RBP and packer on 2-3/8" workstring and set RBP at approx. 6312' (100' above top of DK perf). Pressure test RBP to 750 psig. Spot 10' of sand on top of plug.
5. Set packer at approximately 5940' (100' below bottom GP perfs) and pressure test casing between RBP and packer. Reset packer at approximately 5503' (225' above top of GP perf) and pressure test backside to 750 psig. Establish rate into GP perforations. Cement GP perfs with 50 sx of class "B" cement. Displace cement 2 - 3 bbls below packer prior to performing hesitation squeeze. Once squeezed, pull up hole, reverse circulate, and reapply squeeze pressure. WOC 4 hours and TOOH with packer.
6. If casing above Gallup did not hold pressure, isolate leak and squeeze as necessary.
7. WOC 12 hrs. Clean out to below squeeze with 4-3/4" mill or bit. Pressure test to 750 psig. Re-squeeze as necessary.
8. TIH with 5-1/2" casing scraper to below squeeze. TOOH. TIH with retrieving tool on 2-~~1/16~~^{1/2}" tbg blowing down with gas or air. Retrieve RBP and TOOH.
9. TIH with 2-1/16" tbg with an expendable check valve on bottom and a seating nipple one jt off bottom and CO to PBTD at 6753'. Land 2-1/16" tbg near bottom perforation at 6548'. Take and record gauges.
10. ND BOP and NU wellhead. Pump off expendable check valve and record final gauges. Return well to production.

Recommended:



Approved:



Ballard #11

CURRENT

GP - DK Dual

790' FNL, 990' FWL,
NW Section 15, T-26-N, R-09-W, San Juan County, NM

Today's Date: 1/19/95

Spud: 10/6/61

Completed: 12/1/61

Ojo Alamo @ 1161'

Kirtland @ 1370'

Fruitland @ 1762'

Pictured Cliffs @ 1972'

Lewis @ 2055'

Chacra @ 2857'

Mesa Verde @ 3543'

Point Lookout @ 4402'

Gallup @ 5459'

Greenhorn @ 6323'

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