

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
990'FNL, 990'FEL, Sec.14, T-30-N, R-8-W, NMPM

5. Lease Number
NM-012708
6. If Indian, All. or
Tribe Name
7. Unit Agreement Name
8. Well Name & Number
Howell E #2
9. API Well No.
30-045-09519
10. Field and Pool
Blanco Mesaverde
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
<input checked="" type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other -
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to plug and abandon the subject well according to the attached procedure and wellbore diagram.

RECEIVED
FEB - 8 1995
OIL CON. DIV.
DIST. 3

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

Signed [Signature] (LWD6) Title Regulatory Affairs Date 1/12/95

(This space for Federal or State Office use)

APPROVED BY _____ Title _____

CONDITION OF APPROVAL, if any:

APPROVED
AS AMENDED

FEB 03 1995

DISTRICT MANAGER

NMOCD

PERTINENT DATA SHEET

1/11/95

WELLNAME: Howell E #2				DP NUMBER: 47960A			
WELL TYPE: Blanco Mesaverde				ELEVATION: GL: 5803' KB: 5813'			
LOCATION: 990' FNL, 990' FEL Sec. 14, T30N, R8W San Juan County, New Mexico				INITIAL POTENTIAL: 8,840 Mcf/d SICP: 1138 psig			
OWNERSHIP: GWI: 100.0000% NRI: 84.5000%				DRILLING: SPUD DATE: 08-01-51 COMPLETED: 09-24-51 TOTAL DEPTH: 5056' PBTD: Open Hole			
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"	36#	J55	283'	-	225 sx	Surface
8 3/4"	7"	20 & 23#	J55	3704'		300 sx	TS 1540'
6 1/4"	Open Hole			5056'			
Tubing	2 3/8"	4.7#	EUE	5003'	Perforated 4972' – 5003'		
FORMATION TOPS:							
	Ojo Alamo		2080'		Point Lookout	5236'	
	Kirtland		2137'		Gallup		
	Fruitland		2800'		Graneros		
	Pictured Cliffs		3080'		Dakota		
	Lewis		3167'				
	Cliff House		4720'				
	Menefee		4918'				
LOGGING: GRI, TS							
PERFORATIONS Open-Hole Completion							
STIMULATION: 1335 qts. SNG from 4469' – 5056'							
WORKOVER HISTORY:							
May-53 Clean rocks out of x-mas tree & control head. Drilled out 12' bridge @ 3704'. clean out cavings @ 4523' – 4595'. Clean out to TD 5056'. Ran 2", 4.7#, EUE tubing & landed @ 5003'. Perforated 4972' – 5003'.							
PRODUCTION HISTORY:							
	<u>Gas</u>	<u>Oil</u>	<u>DATE OF LAST PRODUCTION:</u>		<u>Gas</u>	<u>Oil</u>	
Cumulative as of 1994:	11.9 Bcf	5.9 MBbl	January, 1992		1.6 MMcf	0 Bbl	
Current:	0 Mcf	0 Bbl					
PIPELINE: EPNG							

Howell E #2

CURRENT -- 12-29-94

Mesa Verde
DPNO 47960A

990' FNL, 990' FEL,
Section 14, T-30-N, R-8-W, San Juan County, NM

Spud: 8-1-51

Completed : 9-24-51

4000' 13' 10" 2:16

0.072222222, 10.1

Nacimiento @ 490

Ojo Alamo @ 2080'

Kirtland @ 2137'

Fruitland @ 2800'

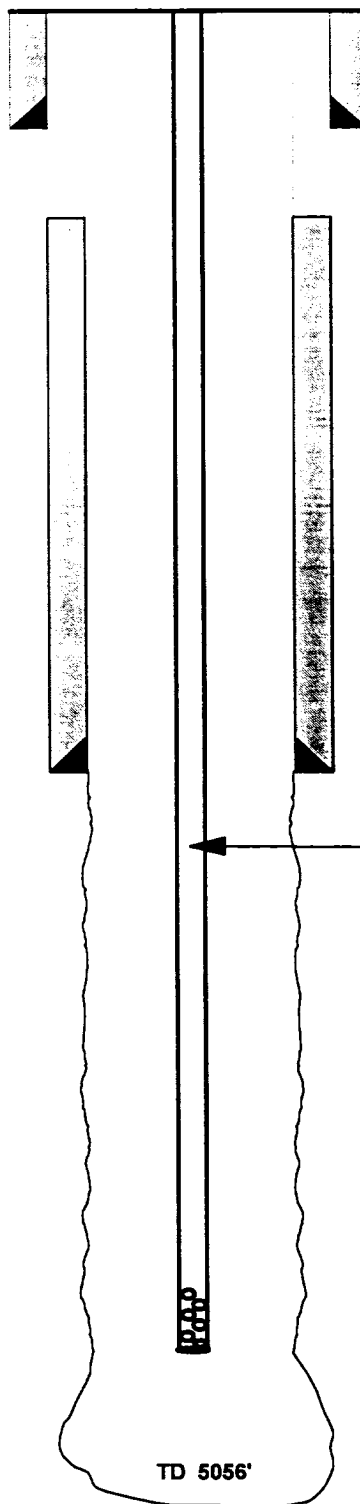
Pictured Cliffs @ 3080'

Lewis @ 3167'

Cliff House @ 4720'

Menefee @ 4918'

Point Lookout @ 5236'



9 5/8" 36#, J55, Csg set @ 283'
Circulated 225 sx cmt to surface

TOC @ 1540' (TS)

7", 20# & 23#, J55 Csg set @ 3704',
circ. 300 sx cmt to 1540' (TS)

2 3/8", 4.7#, EUE, set @ 5003'

Tubing Perfs @ 4972" – 5003'

6 1/4" Open Hole to 5056'

TD 5056'

PLUG & ABANDONMENT PROCEDURE

01/13/95

Howell E #2
Blanco Mesaverde
NE, Section 14, T-30-N, R-8-W
San Juan Co., New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test location rig anchors. Prepare blow pit. Comply to all NMOCD, BLM and MOI safety rules and regulations.
2. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. ND wellhead and NU BOP and stripping head; test BOP.
3. POH and tally 2 3/8" tubing. Visually inspect tubing, if it has heavy scale or is in poor condition then LD and PU 2 3/8" work string. PU 6 1/4" bit, TIH and clean-out to 4770', or as deep as possible with water. If tubing is stuck, cut near 7" casing shoe, and proceed to Plug #2.
4. **Plug #1 (Cliff House top, 4770' -- 4670')**: Spot 37 sxs Class B cement from 4770' -- 4670' (100% excess). WOC 4 hours. TIH and tag Plug #1. POOH and LD bit.
5. **Plug #2 (7" Casing Shoe, 3754' -- 3704')**: Run gauge ring (7", 23#) to 3700'. Wireline set 7" cement retainer at 3674'. TIH open-ended, and spot 10 sxs cement above retainer to 3654'. Pressure test casing to 500#.
6. **Plug #3 (Pictured Cliffs and Fruitland tops, 3130' -- 2750')**: Spot 83 sxs Class B cement from 3130' -- 2750'.
7. **Plug #4 (Kirtland and Ojo Alamo tops, 2187' -- 2030')**: Spot 40 sxs Class B cement from 2187' -- 2030'.
8. **Plug #5 (Nacimiento & Surface)**: Perforate 4 holes @ 540'. Establish circulation out bradenhead valve. Mix and pump approximately 200 sxs Class B cement down the 7" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
9. ND BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, cut off anchors, and MOL.
10. Restore location per BLM stipulations.

Recommended: _____
Operations Engineer

Approval: _____
Production Superintendent

Howell E #2

P &
Mesa Verde
DPNO 47960A

990' FNL, 990' FEL,
Section 14, T-30-N, R-8-W, San Juan County, NM

Spud: 8-1-51

Completed : 9-24-51

DATE: 10-2-16

01014211001, NM

Nacimiento @ 490

Ojo Alamo @ 2080'

Kirtland @ 2137'

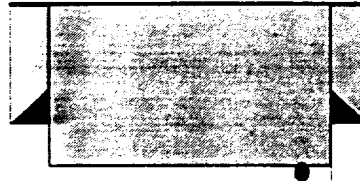
Fruitland @ 2800'

Pictured Cliffs @ 3080'

Cliff House @ 4720'

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Point Lookout @ 5236'



9 5/8" 36#, J55. Csg set @ 283'
Circulated 225 sx cmt to surface

Plug #5 - 333' to surface - perf @ 540'
200 sxs Class B Cement

TOC @ 1540' (TS)

Plug #4 2187' - 2030'
40 sxs Class B Cement

Plug #3 3130' - 2750'
83 sxs Class B Cement

7", 20# & 23#, J55 Csg set @ 3704',
circ. 300 sx cmt to 1540' (TS)

Plug #2 3754' - 3704' - cement retainer @ 3674'
10 sxs Class B Cement above cement retainer

Plug #1 4770' - 4670'
37 sxs Class B Cement

6 1/4" Open Hole to 5056'

TD 5056'