

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK


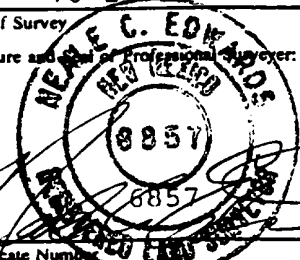
1a. Type of Work DRILL	6. Lease Number NM-02988
1b. Type of Well GAS	Unit Reporting Number
2. Operator BURLINGTON RESOURCES Oil & Gas Company	6. If Indian, All. or Tribe Navajo Surface
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	7. Unit Agreement Name 18640
4. Location of Well 1050' FNL, 1230' FWL Latitude 36° 34.8, Longitude 108° 01.9	8. Farm or Lease Name Whitley A
	9. Well Number 2E
	10. Field, Pool, Wildcat Basin Dakota
	11. Sec., Twn, Rge, Mer. (NMPM) D Sec 17, T-27-N, R-11-W API # 30-045- 29962
14. Distance in Miles from Nearest Town 3.5 miles to Hilltop	12. County San Juan
	13. State NM
15. Distance from Proposed Location to Nearest Property or Lease Line 1050'	
16. Acres in Lease	17. Acres Assigned to Well 320 W/2
18. Distance from Proposed Location to Nearest Well, Drig, Compl, or Applied for on this Lease 2200'	
19. Proposed Depth 6700'	20. Rotary or Cable Tools Rotary
21. Elevations (DF, FT, GR, Etc.) 6154' GR	22. Approx. Date Work will Start
23. Proposed Casing and Cementing Program See Operations Plan attached	DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"
24. Authorized by: <u>[Signature]</u> Regulatory/Compliance Administrator	Date <u>10/29/96</u>

PERMIT NO. _____ APPROVAL DATE AUG 10 1999

APPROVED BY _____ TITLE _____ DATE 8/6/99

Archaeological Report submitted by Arboles Contract Archaeology
Threatened and Endangered Species Report submitted by Ecosphere
NOTE: This format is issued in lieu of U.S. BLM Form 3160-3

NMOCD

<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <div style="display: flex; justify-content: space-between;"> 16 5276.04 </div> <div style="display: flex; justify-content: space-between; margin-top: 100px;"> 1230' 1050' </div> </div> <div style="text-align: center; margin-top: 20px;"> <p>RECEIVED</p> <p>AUG 10 1999</p> <p>OIL CON. DIV.</p> <p>DIST. 3</p> </div> <div style="display: flex; justify-content: space-between; margin-top: 100px;"> 5280.00 17 5280.00 </div> <div style="text-align: center; margin-top: 20px;"> <p>NM-02988</p> </div>	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> 17 5274.72 </div> </div>	<div style="border: 1px solid black; padding: 5px;"> <p>17 OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p> <div style="margin-top: 20px;">  </div> <div style="display: flex; justify-content: space-between;"> Signature </div> <div style="display: flex; justify-content: space-between;"> Printed Name </div> <div style="display: flex; justify-content: space-between;"> Regulatory Administrator </div> <div style="display: flex; justify-content: space-between;"> Title </div> <div style="display: flex; justify-content: space-between;"> Date </div> <div style="text-align: center; margin-top: 10px;"> <p>6-17-96</p> </div> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>18 SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plan 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 belief.</p> <div style="text-align: center; margin-top: 20px;"> <p>10-24-95</p> </div> <div style="display: flex; justify-content: space-between;"> Date of Survey </div> <div style="display: flex; justify-content: space-between;"> Signature and Title of Professional Surveyor: </div> <div style="text-align: center; margin-top: 20px;">  </div> <div style="display: flex; justify-content: space-between;"> Certificate Number </div> </div>
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OPERATIONS PLAN

Well Name: Whitley A #2E
Location: 1050' FNL, 1230' FWL Section 17, T-27-N, R-11-W
 San Juan County, New Mexico
 Latitude 36° 34.8, Longitude 108° 01.9
Formation: Basin Dakota
Elevation: 6154' GL

<u>Formation Tops:</u>	<u>Top</u>	<u>Bottom</u>	<u>Contents</u>
Surface	Nacimiento	690'	
Ojo Alamo	690'	836'	aquifer
Kirtland	836'	1644'	
Fruitland	1644'	1896'	gas
Pictured Cliffs	1896'	2742'	gas & oil
Chacra	2742'	3415'	salt water
Cliff House	3415'	3451'	salt water
Menefee	3451'	4408'	salt water & gas
Pt. Lookout	4408'	4624'	salt water
Mancos	4624'	5438'	
Gallup	5437'	6277'	gas & oil
Greenhorn	6277'	6337'	gas & oil
Graneros	6337'	6450'	gas & oil
Dakota	6450'		gas & oil
Total Depth	6700'		

Logging Program:

Mud Logs/Coring/DST -
 Mud logs - 1700' to TD.
 Coring - none
 DST - none
 Electric logs - DIL/SP/GR; Density/Neut/GR; Microlog-GR;

Mud Program:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Vis.</u>	<u>Fluid Loss</u>
0- 320'	Spud	8.4-8.9	40-50	no control
320-6700'	LSND	8.4-9.0	40-60	no control

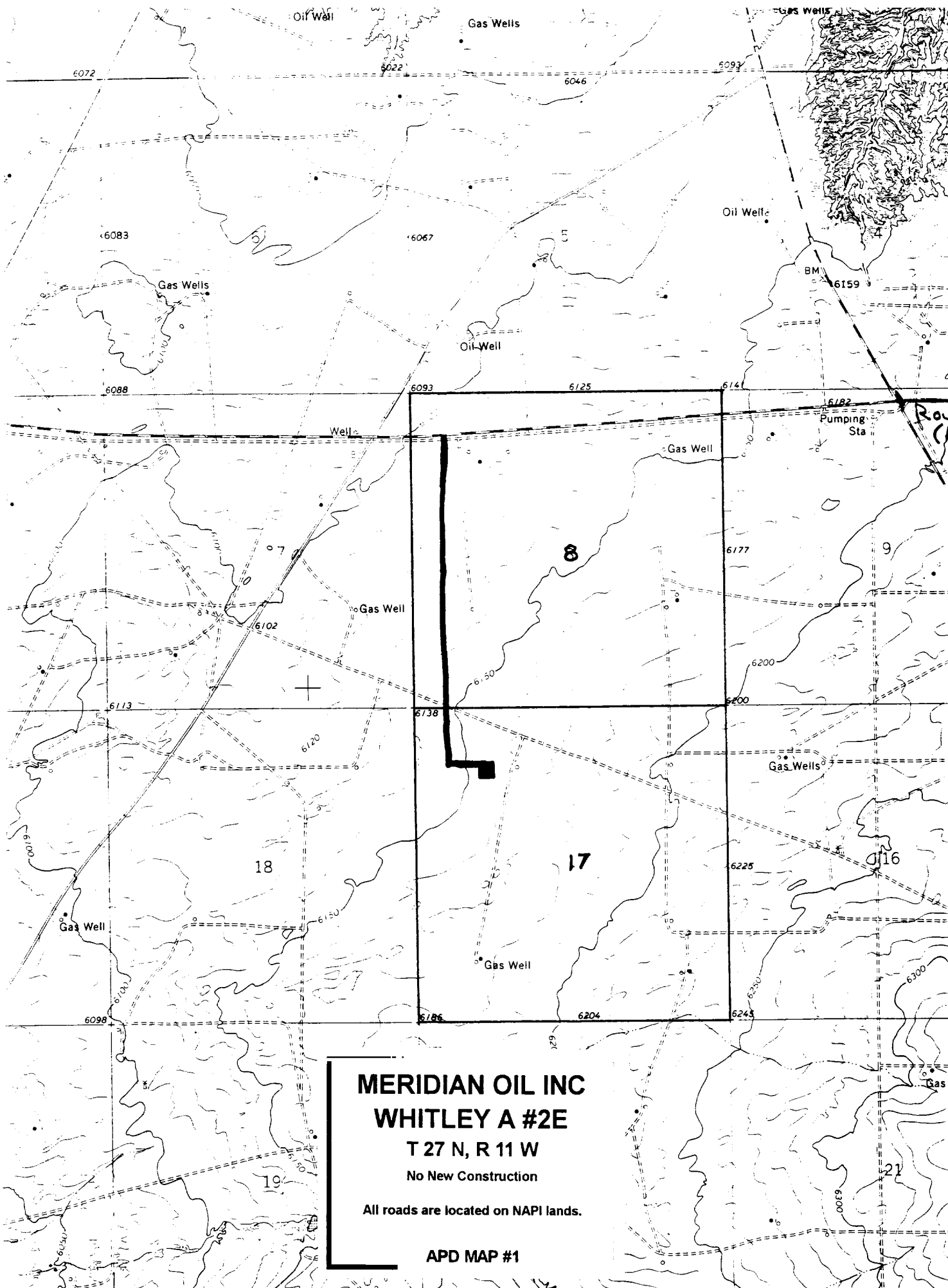
Pit levels will be visually monitored to detect gain or loss of fluid control.

Casing Program:

<u>Hole Size</u>	<u>Depth Interval</u>	<u>Csg. Size</u>	<u>Wt.</u>	<u>Grade</u>
12 1/4"	0' - 320'	8 5/8"	24.0#	K-55
7 7/8"	0' - 6700'	4 1/2"	11.6#	N-80

Tubing Program:

0' - 6700' 2 3/8" 4.7# J-55 EUE



MERIDIAN OIL INC

WHITLEY A #2E

T 27 N, R 11 W

No New Construction

All roads are located on NAPI lands.

APD MAP #1