submitted in lieu of Form 3160-5

UNITED STATES

DEPARTMENT OF THE INTERIORRECEIVED BUREAU OF LAND MANAGEMENT MAIL ROOM

Name of Operator MERIDIAN ○ 8. Well Name & Number of Operator MERIDIAN ○ 8. Well Name & Number of Operator PO Box 4289, Farmington, NM 87499 (508) 326-9700 9. API Well No. 30-639-20409 Location of Well, Footage, Sec., T, R, M. 10. Field and Fool of Operator of Operator of Well, Sec. 28, T-26-N, R-6-W, NMPM 10. Field and Fool of Operator operator of Operator of Operator operato	Sundry Notices and R	Reports on Wellin !!	H.	
Name of Operator MERIDIAN ○ ■ Address & Phone No. of Operator FO BOX 4289, Farmington, NM 87499 (505) 326-9700 Location of Well, Footage, Sec., T, R, M 1940'FSL, 895'FWL, Sec.28, T-26-N, R-6-W, NMPM 2. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA Type of Submission Type of Submission Type of Submission X	. Type of Well	070 FARMINGTON,	MM	SF-079266 If Indian, All. or
Name of Operator MERIDIAN ◎ L. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700 Location of Well, Footage, Sec. T, R, M 1540'FS1, 565'FWL, Sec.28, T-26-N, R-6-W, NMFM 2. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA Type of Submission Y. Notice of Intent Recompletion Subsequent Report Plugding Back Casing Repair Final Abandonment Altering Casing Other 3. Describe Proposed or Completed Operations It is intended to plug and abandon the subject well according to the attached pro and wellbore diagram. A. I hereby certify that the foregoing is true and correct. Under Approval, if any: Sec. 28 S	GAS			Tribe Name
MERIDIAN © L. Address & Phone No. of Operator FO BOX 4259, Farmington, NM 87499 (505) 326-9700 Location of Well, Footage, Sec., T, R, M 10. Field and Pool 1340'fSl, 385'fWL, Sec.28, T-26-N, R-6-W, NMPM 2. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA Type of Submission Type of Action A Notice of Intent Subsequent Report Plugding Back Casing Repair Final Abandonment Altering Casing Other 3. Describe Proposed or Completed Operations It is intended to plug and abandon the subject well according to the attached pro and wellbore diagram. Altering Casing Repair SEP 1 REU Altering Casing Conversion to Injection Other This space for Federal or State Office use) PEPROVED BY Title Date Pate Vaughn #16 API Wall No. API Well	Name of Operator		7.	Unit Agreement Name
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## PO Box 4289, Farmington, NM 87499 1505) 326-9700 Location of Well, Footage, Sec., T, R, M 10. Field and Pool Otero Chacra 11. County and State Rio Arriba Co, NM 12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA Type of Submission Type of Action Z. Notice of Intent X. Abandonment Change of Plans Non-Routine Fracturing Recompletion Non-Routine Fracturing Casing Repair Water Shut off Other State Office and Wellbore diagram. 3. Describe Proposed or Completed Operations It is intended to plug and abandon the subject well according to the attached pro and wellbore diagram. 4. I hereby certify that the foregoing is true and correct. **Aqued Mathematical** (ROS3) Title Regulatory Administrator Date 9/7/95 This space for Federal or State Office use) PPROVED BY Date ONDITION OF APPROVAL, if any:	Address & Phone No. of Operator		8.	
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Rio Arriba Co, No 2. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA Type of Submission Notice of Intent X Abandonment Change of Plans	1840'FSL, 885'FWL, Sec.28, T-26-N, R-6	-W, NMPM	11	
Type of Submission X			11.	Rio Arriba Co, NM
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MNOCO

PLUG & ABANDONMENT PROCEDURE

Vaughn #16 Otero Chacra DPNO: 44591A

1840' FSL, 885' FWL Sec. 28, T26N, R06W - Rio Arriba Co., NM Longitude/Latitude: 107.478699 - 36.455002

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. This will be a rigless procedure. Prepare blow pit for cement washout only. Comply to all NMOCD, BLM, and MOI safety procedures. Rig up cementing equipment.
- 2. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. Install cementing valve.
- 3. Open bradenhead valve. Establish a rate down casing with 30 bbls. water, record pump rate and pressure. Monitor bradenhead for flow. If bradenhead flows water, move in rig with workstring to plug well. If not, pump 15 frac balls in additional water and monitor pressure, rate and volumes pumped to confirm perforations taking water. If casing leak exists, then use tubing to plug well.
- 4. Plug #1 (Chacra perfs, Pictured Cliffs, Fruitland, Kirtland, Ojo Alamo, 3578' 1420'): Establish rate, mix and pump 72 sx Class B cement down 2-7/8" casing and displace cement to 1420'. Shut in well and WOC. Rig up Mast truck and wireline unit. RIH and tag cement. Pressure test casing to 500#.
- 5. Plug #2 (Nacimiento top, Surface, 302' Surface): Perforate 2 holes @ 302'. Establish circulation out bradenhead valve. Mix and pump approximately 85 sx Class B cement and pump down 2-7/8" casing, circulate good cement out bradenhead valve. Shut in well and WOC.
- 6. ND BOP and cut off wellhead below surface casing flange. Note the cement level in the casing and annulus; fill as necessary. Install P&A marker to comply with regulations.
- 7. Rig down, cut off anchors, move off location, and restore location per BLM stipulations.

Recommende	ed: ROStanfield		
	Operations Engineer		
Approval:	Production Superintendent		
	Production Superintendent		

Vaughn #16

CURRENT - 9/5/95

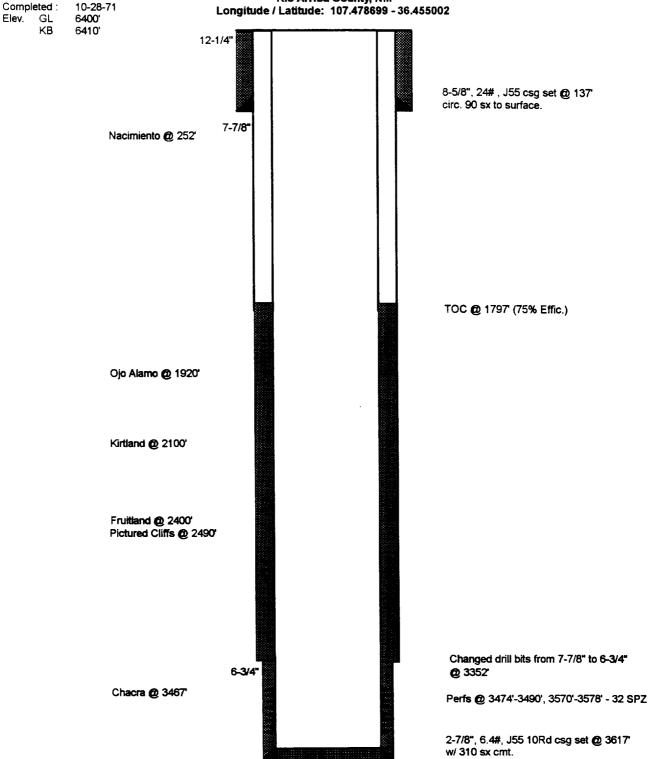
Otero Chacra **DPNO: 44591A**

1840' FSL, 885' FWL, Section 28, T-26-N, R-06-W, Rio Arriba County, NM

Longitude / Latitude: 107.478699 - 36.455002

Spud:

09-20-71



PBTD 3607' TD 3617'

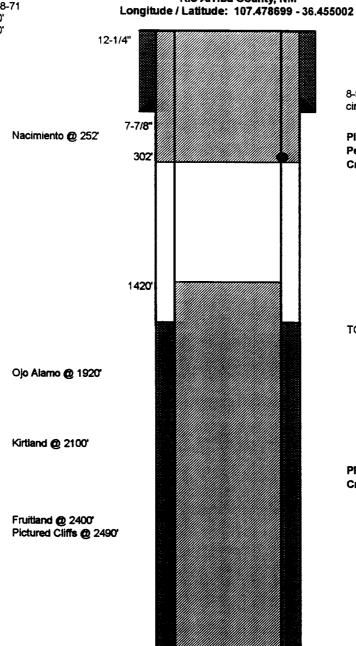
Vaughn #16

Proposed P&A

Otero Chacra **DPNO: 44591A**

1840' FSL, 885' FWL, Section 28, T-26-N, R-06-W, Rio Arriba County, NM

Spud: 09-20-71 Completed: 10-28-71 Elev. GR: 6400' 6410 KB:



6-3/4"

PBTD 3607° TD 3617'

8-5/8", 24# , J55 csg set @ 137' circ. 90 sx cmt. to surface.

Plug #2: 302' - Surface Perf @ 302' Cmt. w/85 sx Class B

TOC @ 1797' (75% Effic.)

Plug #1: 3578' - 1420' Cmt. w/72 sx Class B

Chacra @ 3467*

Changed drill bits from 7-7/8" to 6-3/4" @ 3352

Perfs @ 3474'-3490', 3570'-3578' - 32 SPZ

2-7/8", 6.4#, J55 10Rd csg set @ 3617" w/ 310 sx cmt.