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**
   1090'FSL, 1800'FEL, Sec.23, T-30-N, R-10-W, NMPM

5. **Lease Number**
   SF-078200B
6. **If Indian, All. or Tribe Name**
7. **Unit Agreement Name**
8. **Well Name & Number**
   Riddle B #5
9. **API Well No.**
   30-045-20353
10. **Field and Pool**
    Basin Dakota/
    Angels Peak Gallup
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**	
_X_ Notice of Intent	___ Abandonment	___ Change of Plans
	_X_ Recompletion	___ New Construction
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
	_X_ Casing Repair	___ Water Shut off
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection
	_X_ Other -Temporarily abandoned Basin Dakota	

13. **Describe Proposed or Completed Operations**

It is intended to temporarily abandon the Dakota, repair the casing and complete in the Gallup zone. The Gallup will be selectively perforated and fracture stimulated per the attached procedure and wellbore diagram.

94 SEP 20 AM 10:24
070 FARMINGTON, NM

RECEIVED
SEP 26 1994
OIL CON. DIV.
DIST. 3

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

Signed _____ (JK5) Title Regulatory Affairs Date 9/14/94

(This space for Federal or State Office use)
APPROVED BY _____ Title _____ Date _____
CONDITION OF APPROVAL, if any:

APPROVED
SEP 20 1994
DISTRICT MANAGER

NMOCD

Riddle B #5 Procedure
Dakota T&A / Gallup Payadd / Casing Repair
Lat-Long by GITI: 36.793289 - 107.850525
SE/4 Section 23, T30N-R10W
September 14, 1994

1. Hold safety meeting. MIRU. Install safety equipment and fire extinguishers in strategic locations.

2. ND WH, NU BOP. TOOH with 2-3/8" 4.7# J-55 tubing landed @ 7110' (tubing is landed in a Baker Model "K" cement retainer @ 7107'). Inspect and replace bad tubing as needed.

3. Pick up 3-7/8" bit and TIH with tubing. CO to CR @7107'. Drill out CR and CO to 7389' (float collar). Unload hole with gas. TOOH. Lay down bit, PU 4-1/2" 11.6# casing scraper. Make scraper run to COTD. TOOH. Lay down casing scraper.

4. RU wireline. Wireline set a 4-1/2" CIBP @ 7100'. TIH and load hole with fresh water. Pressure test the casing to 1500 psi for 15 minutes. If pressure test fails, locate the failure with a packer and tubing. TOOH. Run CBL-CCL-GR from PBTD to surface. Send copy of CBL to office for analysis. Squeeze procedure will be provided by engineering.

5. TIH with 3-7/8" bit and tubing and drill out cement remaining from squeeze work. Obtain 1500 psi pressure test, resqueeze if necessary. Circulate hole clean with gas when on bottom. Load hole with 29 bbls of filtered 2% KCl water from PBTD to +/- 5300' . TOOH with tubing and bit.

6. RU wireline with full lubricator. Hold safety meeting. Run CCL-GR correlation strip from 6300' to 6650'. Perforate the following intervals underbalanced at 0.3" diameter holes utilizing 3-1/8" HSC guns: (75 holes total)

6325	6400	6475	6550	6625
6330	6405	6480	6555	6630
6335	6410	6485	6560	6635
6340	6415	6490	6565	6640
6345	6420	6495	6570	6645
6350	6425	6500	6575	6650
6355	6430	6505	6580	6655
6360	6435	6510	6585	6660
6365	6440	6515	6590	6665
6370	6445	6520	6595	6670
6375	6450	6525	6600	6675
6380	6455	6530	6605	6680
6385	6460	6535	6610	6685
6390	6465	6540	6615	6690
6395	6470	6545	6620	6695

Inspect guns to ensure all perforations fired.

7. PU 2-7/8" workstring with turned down collars (or buttress) and SAP tool. Breakdown each perforation with 1 bbl of 7.5% HCl (with inhibitor) at 1 BPM. TOOH.

8. TIH with 4-1/2" packer, a SN just above the packer, and the workstring. Set the packer @ 6300'. Set a blanking plug in the SN and pressure test the tubing to 5000 psi. Retrieve the blanking plug.

9. RU stimulation company with surface equipment and tubulars rated to at least 6000 psi working pressure. Pressure test all surface lines to 6000 psi. **Maximum allowable treating pressure is 5000 psi.** Stimulate the Gallup per the attached stimulation procedure.

10. SI well for 3 hours after stimulation then flow-back naturally as long as possible. When either flow has ceased or returns have reached a level allowing release of the packer, release the packer and TOOH, laying down the frac string.

11. TIH with tubing and clean out to PBTD. PU above the Gallup perforations and flow the well naturally, making short trips for clean up when necessary.

12. When returns have diminished (both sand and water), flow test well for 3 hours. TOOH.

13. RU wireline. Run after frac gamma ray from 6900' to 6200'. RD wireline.

14. TIH with one joint of 2-3/8" tubing w expendable check, an F-nipple, then the remaining 2-3/8" tubing. CO to COTD. Land tubing @ 6600'.

15. ND BOP's, NU WH. Obtain final pitot. RDMO. Return well to production.

Approval: _____
Drilling Superintendent

Vendors:
Stimulation - Western Co. of NA (327-6222)
Perforating - Blue Jet (325-5584)

RIDDLE B #5

CURRENT

BASIN DAKOTA

UNIT O, SEC 23, T30N, R10W, SAN JUAN COUNTY, NM