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

5. **Lease Number**
NM-0555563

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**

2. **Name of Operator**
MERIDIAN OIL

8. **Well Name & Number**
Largo Federal #1A

3. **Address & Phone No. of Operator**
PO Box 4289, Farmington, NM 87499 (505) 326-9700

9. **API Well No.**
30-045-23562

4. **Location of Well, Footage, Sec., T, R, M**
1190'FNL, 1595'FWL, **Sec.34, T-29-N, R-9-W, NMPM**

10. **Field and Pool**
Blanco Mesaverde/
Aztec Pictured Cliffs

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
	___ Recompletion	___ New Construction
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
	___ Casing Repair	___ Water Shut off
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection
	_X_ Other - Revised Procedure	

13. **Describe Proposed or Completed Operations**

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

RECEIVED
JAN 23 1995
OIL CON. DIV.
DIST. 3

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

Signed Peggy Bradfield (TEM3) Title Regulatory Affairs Date 1/13/95

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

APPROVED
JAN 19 1995
DISTRICT MANAGER

NMOCD

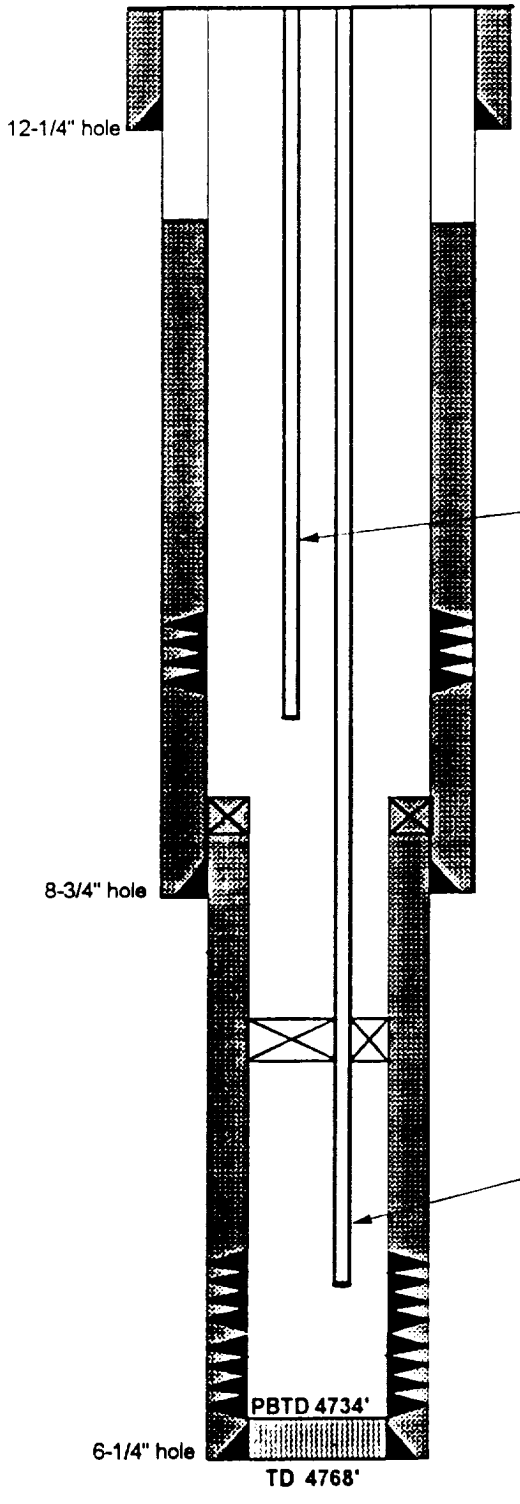
Largo Federal #1-A

CURRENT

PC/MV Dual

1190' FNL, 1595' FWL,
NW Section 34, T-29-N, R-09-W, San Juan County, NM

Today's Date: 10-24-94
Spud: 7-24-79
Completed: 8-3-79



Ojo Alamo @ 1080'

Kirtland @ 1230'

Fruitland @ 1950'

Pictured Cliffs @ 2137'

Chacra @ 3142'

Cliff House @ 3823'

Point Lookout @ 4421'

9-5/8", 32.3#, H-40, Csg set @ 266'
Cmt w/150 sx (Circulated to surface)

Top of Cmt @ 1200' (TS)

1-1/4", IJ, 2.3#, tubing set @ 2238'

PC Perforations: 2168' - 2216',
Total of 11 holes

4-1/2" Liner Top @ 2414'

7", 23.0#, K-55, Csg set @ 2550',
cmt w/200 sx

Baker Model "R" Packer set @ 3724'

1-1/2", EUE, 2.9#, tubing set @ 4419'

MV Perforations: 3836' - 4606', Total of 22 holes

4-1/2", 10.5#, K-55, Csg liner set @ 4768',
cmt w/350 sx (Circulate to liner top)

Largo Federal #1-A

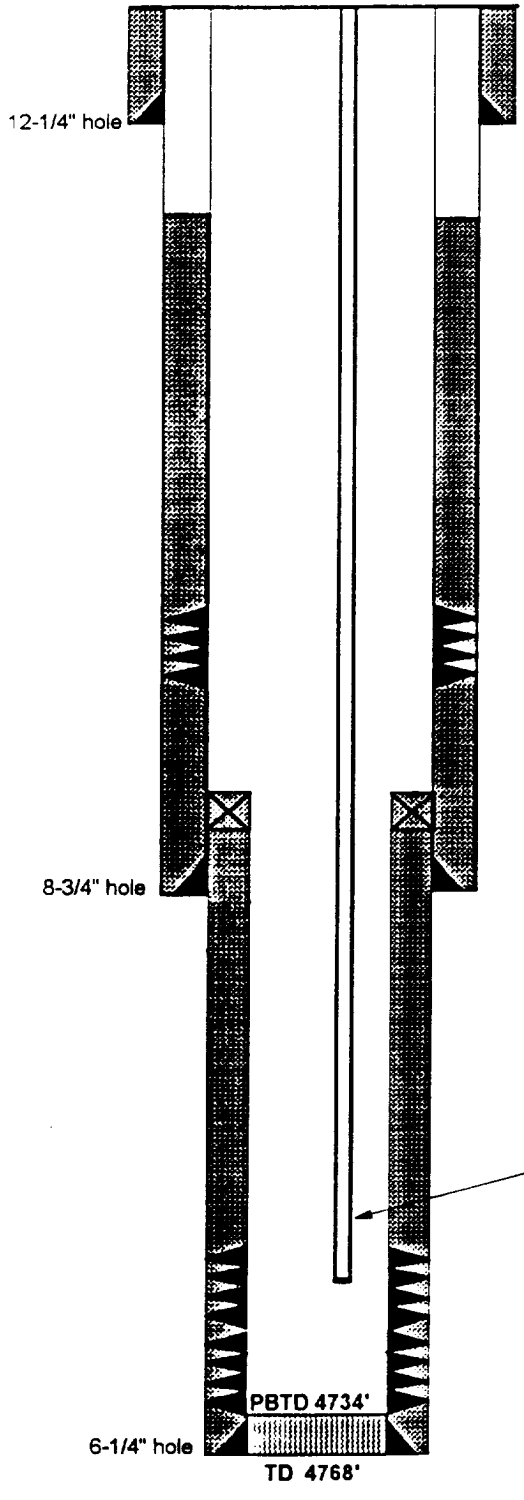
PROPOSED

PC/MV

COMMINGLE

1190' FNL, 1595' FWL,
NW Section 34, T-29-N, R-09-W, San Juan County, NM

Today's Date: 10-24-94
Spud: 7-24-79
Completed: 8-3-79



Ojo Alamo @ 1080'

Kirtland @ 1230'

Fruitland @ 1950'

Pictured Cliffs @ 2137'

Chacra @ 3142'

Cliff House @ 3823'

Point Lookout @ 4421'

9-5/8", 32.3#, H-40, Csg set @ 266'
Cmt w/150 sx (Circulated to surface)

Top of Cmt @ 1200' (TS)

PC Perforations: 2168' - 2216',
Total of 11 holes

4-1/2" Liner Top @ 2414'

7", 23.0#, K-55, Csg set @ 2550',
cmt w/200 sx

Baker Model "R" Packer set @ 3724'

1-1/2", EUE, 2.9#, tubing set @ 4419'

MV Perforations: 3836' - 4606', Total of 22 holes

4-1/2", 10.5#, K-55, Csg liner set @ 4768',
cmt w/350 sx (Circulate to liner top)

Workover & Commingle Procedure
Largo Federal # 1-A
Aztec Pictured Cliffs / Blanco Mesaverde
Unit C, Section 34, T29N, R09W

Comply with all BLM, NMOCD, and Meridian Oil rules and regulations. Test & verify rig anchors. Build & fence small blow pit.

- 5000' 0f 2-3/8" 4.7# J-55 tubing required for workstring.
- Six (6) 3-1/8" Drill Collars required.
- Install EPNG Drill Gas Unit for cleaning out and evaporating water. Use yellow-dog.
- Spot and fill two (2) 400 bbl tanks at rig tank location with 1% KCl water, pH=7.0, filtered to 2 microns. No other tanks will be necessary for work.

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1. Move in workover rig. Obtain and record on report current well status, tubing, casing, bradenhead, and line pressures. Install manifold and blow down lines. Contact Wellhead company to ensure proper pulling and hanging procedure. Blow well down. Follow by killing Mesaverde string with 20 bbls 1% KCl water. Kill PC with 20 bbls 1% KCl water. ND WH. NU BOP, offset spool(if required), stripping head, and blooie line.

2. TOOH laying down Pictured Cliffs 1-1/4" IJ tubing from 2338'. PU and release Model R-3 packer at 3724' on the 1-1/2" tubing. Do not pull over 15K above string weight if possible to release. TOOH standing back 1-1/2" Mesaverde tubing from 4419'. LD PKR.

3. RU wireline. Run 4-1/2" gage ring to PBTD (4734'). Note fill and slow for liner top at 2414'. POOH. Run GR-CCL from PBTD to 3750', and from 2300' to 2100'. Utilize this log and correlate with attached open-hole log sections. Prepare to perforate additional Mesaverde and Pictured Cliffs intervals utilizing a 3-1/8" HSC gun and Owen 302 10 gram 0.41" dia hole (inside 4-1/2") charges select fire 2 SPF phased at 180 degrees. Perforate in 3 gun runs if possible from bottom-up.

4640' 4604' 4572' 4552' 4544' 4525' 4521' 4507' 4484' 4469'

4461' 4451' 4443' 4440' 4414' 4362' 4335' 4330' 4321' 4299'

4280' 4275' 4271' 4263' 4256' 4197' 4193' 4143' 4139' 4134'

4119' 4101' 4098' 4088' 4073' 4070' 4058' 4053' 4019' 4013'

3994' 3977' 3971' (43 settings, 86 new perforations + 22 old = 108 total MV)

2226' 2217' 2214' 2205' 2202' 2199' 2189' 2182' 2171' 2168'

(10 settings, 20 new perforations + 11 old = 31 total PC)

4. Run and wireline set a 4-1/2" RBP at 3750'+/- above top MV perforation. Pump 20 bbls 1% KCl water down casing to fill hole above RBP inside pipe.

5. PU and TIH with 7" casing scraper to liner top on 2-3/8". TOOH.

6. PU 7" RBP and 7" PKR combination on 2-3/8" tubing. TIH to above liner top/below PC perfs and set 7" PKR. Test liner top and 4-1/2" RBP to 750 psi. Hold and record pressure for 10 minutes. Release pressure, pull tools above PC perforations. Set 7" RBP at 2050'+/- above perforations. Test casing from surface via BOP to 750 psi. Hold and record pressure 10 minutes. If test does not hold use PKR to test 7" RBP / annulus. Locate failure if present (none suspected). Engineering will design cementing squeeze program if needed. TOOH with PKR. (Place 50 lbs sand on 7" RBP only if squeeze work is necessary.)

7. Run GR-CBL-CCL from 2050' to surface. Ensure hole is full of water so that 500 psi pressure may be used if necessary to demonstrate bond. Important to get full bond log in case near surface behind pipe bridges are present.

8. TIH with retreiving head on 2-3/8". Equalize, release, & TOOH with 7" RBP at 2050'.

9. TIH with retreiving head on 2-3/8". Equalize and release 4-1/2" RBP at 3750'+/-. TOOH.

10. RU stimulation pump truck & acid equipment, ensure an accurate flowmeter can be used while pumping both acid and water. *2400 gallons 7.5% HCl acid with 2 gal/1000 corrosion inhibitor and 1 gal/1000 iron control.* TIH with 4-1/2" full opening PKR on 2-3/8" tubing. Set PKR at 4390'+/- note location of nearby perforations.

11. Establish maximum rate below packer with 1% KCl water. Prepare to acidize first zone from 4640' to 4414' (226', 38 perforations) as follows at maximum rate available. Maximum pressure is 3000 psi. Ball sealers used will be 7/8" 1.3 specific gravity. Establish rate pump 800 gallons 1% KCl water, drop 6 ball sealers evenly, pump 400 gallons 7.5% HCl acid, drop 4 balls evenly, pump 800 gallons 1% KCl water, drop 4 ball sealers evenly, pump 400 gallons 7.5% HCl acid, drop 10 balls evenly, pump 800 gallons 1% KCl water, drop 10 balls evenly, pump 800 gallons water with 20 balls evenly spaced. Displace with 1% KCl water and ball off. Attempt to ball off entire interval to 3000 psi. Hold pressure, Surge balls off and ball off for second time. Total acid = 800 gallons, Total balls = 54, Total water = 3200 gallons +/-. Release pressure. TOOH with PKR.

12. PU 4-1/2" CIBP with collar locator and setting tool on 2-3/8". Set CIBP at 4390'. TOOH, laying down setting tool.

13. TIH with 4-1/2" full opening PKR on 2-3/8" tubing. Set PKR at 4385'+/- above CIBP and test CIBP to 3000 psi. Pull PKR uphole and set at 4170'+/-, note location of nearby perforations. Establish maximum rate below packer with 1% KCl water. Prepare to acidize second zone from 4362' to 4192' (170', 31 perforations) as follows at maximum rate available. Maximum pressure is 3000 psi. Ball sealers used will be 7/8" 1.3 specific gravity. Establish rate pump 800 gallons 1% KCl water, drop 4 ball sealers evenly, pump 400 gallons 7.5% HCl acid, drop 4 balls evenly, pump 800 gallons 1% KCl water, drop 4 ball sealers evenly, pump 400 gallons 7.5% HCl acid, drop 10 balls evenly, pump 800 gallons 1% KCl water, drop 10 balls evenly, pump 800 gallons water with 20 balls evenly spaced. Displace with 1% KCl water and ball off. Attempt to ball off entire interval to 3000 psi. Hold pressure, Surge balls off and ball off for second time. Total acid = 800 gallons, Total balls = 52, Total water = 3200 gallons +/-. Release pressure. TOOH with PKR.

14. PU 4-1/2" CIBP with collar locator and setting tool on 2-3/8". Set CIBP at 4170'+/-. TOOH, laying down setting tool.

15. TIH with 4-1/2" full opening PKR on 2-3/8" tubing. Set PKR at 4170'+/- above CIBP and test CIBP to 3000 psi. Pull PKR uphole and set at 3950'+/-, note location of nearby perforations. Establish maximum rate below packer with 1% KCl water. Prepare to acidize upper third zone from 4144' to 3970' (174', 32 perforations) as follows at maximum rate available. Maximum pressure is 3000 psi. Ball sealers used will be 7/8" 1.3 specific gravity. Establish rate pump 800 gallons 1% KCl water, drop 4 ball sealers evenly, pump 400 gallons 7.5% HCl acid, drop 4 balls evenly, pump 800 gallons 1% KCl water, drop 4 ball sealers evenly, pump 400 gallons 7.5% HCl acid, drop 10 balls evenly, pump 800 gallons 1% KCl water, drop 10 balls evenly, pump 800 gallons water with 20 balls evenly spaced. Displace with 1% KCl water and ball off. Attempt to ball off entire interval to 3000 psi. Hold pressure, Surge balls off and ball off for second time. Total acid = 800 gallons, Total balls = 52, Total water = 3200 gallons +/-. Release pressure. TOOH with PKR.

16. PU 3-7/8" bit, float, & six (6) drill collars on 2-3/8". Use EPNG drill gas to cleanout. Drill CIBP @ 4170' and CIBP @ 4390'. Push to PBTD of 4734'+/-. Flow well and blow well alternating until well will flow lifting some liquids. TOOH and LD all tools.

17. Prepare to land 1-1/2" 2.9# EUE production tubing string. Run one joint OE, Fnipple expendable check, and remaining tubing. Land tubing at 4650'+/-. ND BOP. NU WH. Pump off check with gas. Flow well up tubing ensuring check has been pumped.

18. RD and release rig to next location.

19. Operations will remanifold wellhead and lines to flow commingled sales through Mesaverde separator equipment and Pictured Cliffs low pressure pipeline sales meter. Ensure Marketing has all appropriate paperwork prior to beginning work. Return well to sales.

Approved: _____
Drilling Superintendent

TEM
Suggested Vendors:

Remedial Cement	Dowell Schlumberger	325-5096
Stimulation(acid & pumps)	Dowell Schlumberger	325-5096
Perforating/setting plugs	Basin Perforators	327-5244
Engineering	T. E. Mullins	326-9546-w 327-8692-pager

STATE OF NEW MEXICO
ENERGY and MINERALS
DEPARTMENT
This form is not to
be used for reporting
packer leakage tests
in Southeast New Mexico

OIL CONSERVATION DIVISION

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Meridian Oil Inc. Lease Largo Federal Well No. 1A

Location of Well: Unit C Sec. 34 Twp. 29N Rge. 009W County San Juan

	NAME OF RESERVOIR OR POOL	TYPE OF PROD. (Oil or Gas)	METHOD OF PROD. (Flow or Art. Lift)	PROD. MEDIUM (Tbg. or Csg.)
Upper Completion	Pictured Cliffs	Gas	Flow	Tbg
Lower Completion	Mesaverde	Gas	Flow	Tbg

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Upper Completion	3-14-94	3 days	295	
Lower Completion	3-14-94	3 days	300	

FLOW TEST NO. 1

Commenced at (hour,date)* 03-17-94 Zone producing (Upper or Lower) Lower

TIME (hour,date)	LAPSED TIME SINCE*	PRESSURE Upper Completion	PRESSURE Lower Completion	PROD. ZONE TEMP	REMARKS
15-Mar		280	280		to see if leakage
16-Mar		285	290		increased
17-Mar		295	300		
18-Mar		243	220		
19-Mar		213	215		

Production rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hours. _____ Grav. _____ GOR _____

Gas: _____ MCFPD; Tested thru (Orifice or Meter): _____

MID-TEST SHUT-IN PRESSURE DATA

	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)
Upper Completion				
Lower Completion	Hour, date shut-in	Length of time shut-in	SI press. psig	Stabilized? (Yes or No)

(Continue on reverse side)