submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM MAIL ROOM
95 SEP 19 AM 8:39
070 FARMINGTON, NM

Sundry Notices and Reports on Wells

1. **Type of Well**
GAS

5. **Lease Number**
SF-079367

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

7. **Unit Agreement Name**
San Juan 27-5 Unit

2. **Name of Operator**
MERIDIAN OIL

8. **Well Name & Number**
San Juan 27-5 U #97M

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

9. **API Well No.**
30-039-23728

4. **Location of Well, Footage, Sec., T, R, M**
1000'FNL, 1000'FWL, Sec.31, T-27-N, R-5-W, NMPM

10. **Field and Pool**
Blanco Mesaverde/
Basin Dakota

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	
_X_ Notice of Intent	___ Abandonment	___ Change of Plans
	___ 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 - Pay add	

13. **Describe Proposed or Completed Operations**

It is intended to repair the casing and add the Menefee pay to this Mesaverde/Dakota well, and produce with the current Mesaverde pay according to attached procedure and wellbore diagram.

RECEIVED
SEP 26 1995
OIL CON. DIV.
DIST. 3

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

Signed _____ (JME3) Title Regulatory Administrator Date 9/15/95

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

SEP 19 1995
DISTRICT MANAGER

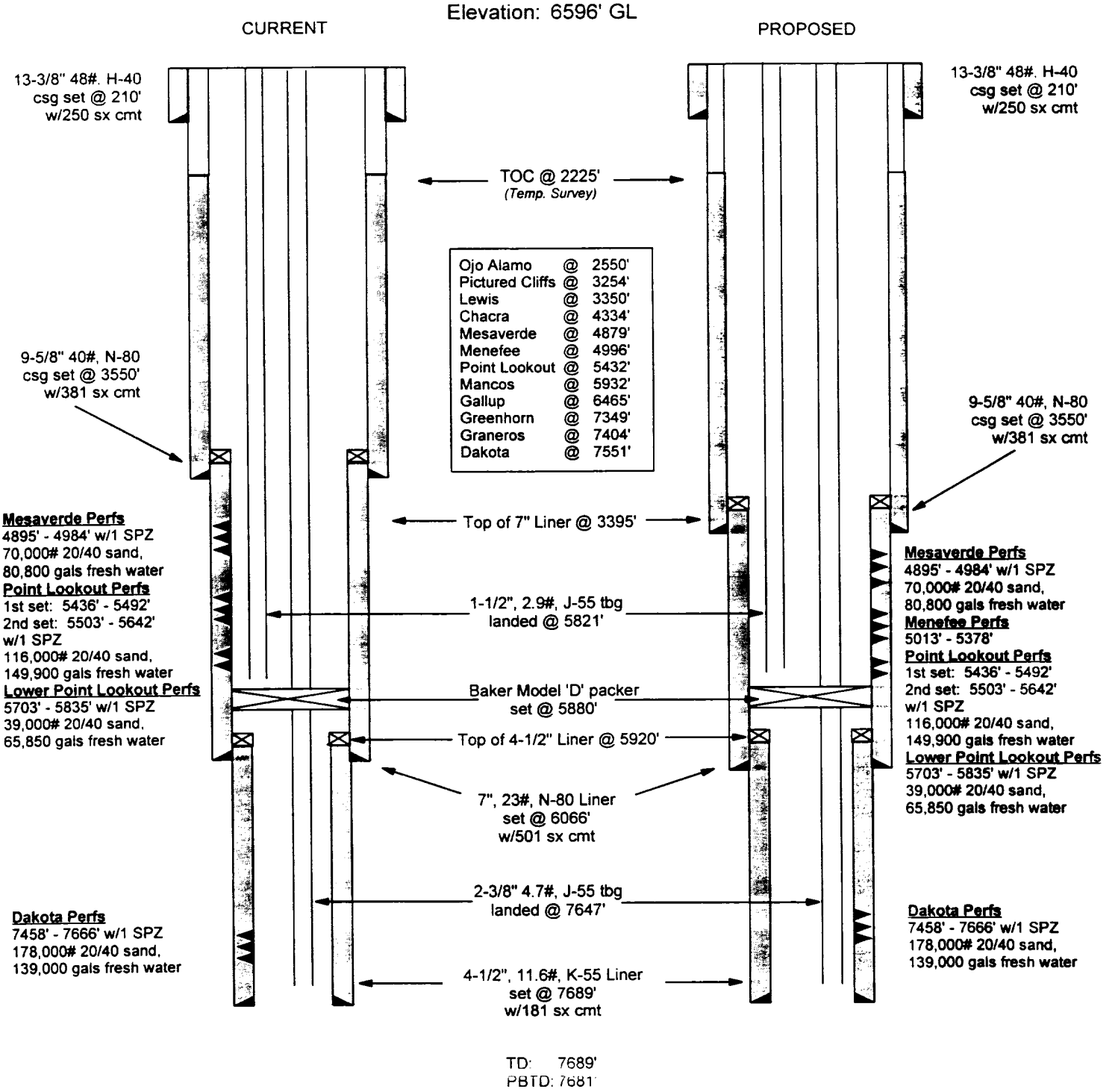
NMOCD

SAN JUAN 27-5 UNIT #97M

Mesaverde/Dakota

1000' FNL, 1000' FWL
Unit D, Section 31, T27N, R5W
LAT: 36.535278
LONG: 107.405991

Elevation: 6596' GL



The casing integrity will be verified, the packer leakage repaired, Menefee pay added, and the well returned to producing status.

Meridian Oil
09/05/95:dlc

Capital Workover Procedure (Meneffee Pay Addition/Casing Repair)

San Juan 27-5 Unit #97M

Blanco Mesaverde / Basin Dakota

Unit D, Section 31, T27N, R5W

Always Hold Safety Meetings. Comply with all BLM, NMOCD, & MOI rules and regulations. Ensure all work pits are fenced.

- Utilize EPNG Drill Gas as Circulation fluid. Contact for Metering.
- Six (6) 5" Drill Collars required on location.
- 7" 23# & 9-5/8" 40# casing scrapers on location, may be necessary.
- Spot five (5) - 400 bbl tanks for stimulation & one(1)- 400 bbl rig tank. Large casing capacity.
- 2-3/8" 4.7# N-80 work tubing string (7700' on location).
- 3-1/2" 9.3# N-80 EUE frac tubing string (5600' on location). Could work with all 3-1/2".
- Fresh water will be utilized on MV. DK should be killed with 2% KCl. Ensure that DK does not get exposed to fresh water. **NOTE: FRESH H2O on FRAC JOB at 6.5 pH**
- Wellhead repair is suspected, due to tight spots indicated during past swab runs.
- Set pipe racks due to large amount of tubulars being handled. Ensure racks will not interfere with stimulation.

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1. Move in workover rig. Obtain and record on report current well status, shut in casing (MV), tubing (MV), and tubing (DK) pressures, and bradenhead pressures. Kill DK tubing, Kill MV casing followed by MV tubing. Set choke in DK tubing if necessary. ND WH. NU BOP, offset spool, stripping head, blooie line, manifold and relief lines.

2. TOOH & stand back 182 jts of 1-1/2", 2.9# J-55 EUE (beveled coupling) MV tubing from 5820'. Pull weight to release/straight pull 234 jts of 2-3/8" 4.7# J-55 EUE DK tubing in the seal assembly of the Baker Model 'D' 84-32 (no flapper) production PKR @ 5880'. If tubing is stuck, cut tubing 2 jts above seal assembly & TOOH w/2-3/8". Laying down 2-3/8" J-55 tubing, note beveled couplings below seal assembly, special clearance couplings above seal assembly, Six (6) 3-1/16" blast joints 119' across Pt. Lookout. Inspect seals on seal assembly & note any scale buildup.

3. RU wireline. Run 9-5/8" gauge ring. Run 7" gauge ring. Run 7" 23# wireline set RBP#1 and set @ 5420'. Correlate to old GR-CCL log (Petro 10/29/85). Run dump bailer & dump 10 gals sand on RBP #1. Prep to pickup workstring of 2-3/8" 4.7# N-80 tubing.

4. PU 7" RBP & packer combination on 2-3/8" workstring. TIH on 2-3/8". Set packer above RBP @ 5420' and test 2-3/8" tubing, packer, & RBP to 3000 psi. Release packer & pull up hole. Set RBP #2 @ 4850' above top Cliffhouse perf @ 4984'. Roll hole from bottom w/water. Set 7" packer above RBP #2 & test to 2000 psi. Pull 7" packer up and reset @ 3370'. Test casing below packer to 1000 psi. Test annulus to 1000 psi. Hold all pressures and record on chart for 15 minutes.

5. If leaking, as anticipated, TOOH w/7" packer and PU (note skipped scraper run) 9-5/8" packer on 2-3/8" tubing. TIH & Test above liner top to 1000 psi. Pull up hole & locate failure. Attempt to establish circulation. Temp survey indicates TOC @ 2225'. Note no CBL to be run.

6. Set PKR for squeeze 100' above leak, hold 500 psi on annulus during squeeze. Squeeze Class G cement (sxs dependent upon depth) w/ 1% CaCl in mix water to 1000 psi using (4) 20 minute hesitation squeezes at 1/4 BPM. Release packer & reverse w/water. TOOH. Re-pressure 9-5/8" from surface via BOP to 800 psi. Hold and WOC 12 hrs. Release pressure. ND or change out wellhead & inspect tubing head for damage. Lubricate all valves. NU WH & test to 1000 psi.

7. PU 8-5/8" bit and (4) 5" drill collars on 2-3/8". Drill out cement w/water and test 9-5/8" casing to 1000 psi. Take care to prevent pipe buckling during drilling. TOOH w/ bit & collars. TIH w/retrieving head on 2-3/8" tubing. Engage, equalize and release RBP#2 @ 4850'. TOOH. Change rams & slips to run 3-1/2" 9.3# N-80 EUE tubing for stimulation.

8. RU wireline & run 4" HSC Gun and perforate the following Menefee interval bottom up w/DensiJet DML-XIV 14 gram Charges or equivalent to achieve 0.30-0.34" hole with standoff. Perforate select fire 1 SPF with 22 holes total at:

5378'	**5318'**	**5308'**	**5300'**	**5295'**
5265'	**5238'**	**5232'**	**5227'**	**5197'**
5190'	**5183'**	**5170'**	**5163'**	**5145'**
5132'	**5114'**	**5100'**	**5065'**	**5038'**
5018'	**5013'**	(22	holes	total)

9. PU 7" packer combination isolation with 7" PKR#1 set @ 4990' & PKR#2 set @ 4380'+/- & 9.3#, N-80 EUE frac tubing w/profile nipple (2.75" ID nipple) one jt above PKR#1. All tubing between PKRs will be the same 3-1/2" 9.3# N-80 EUE. TIH w/ PKR#1 below all perfs and test 3-1/2" tubing to 3500 psi static. Pull up & set both packers as above. Utilize Baker Model 'FH' Packers

10. Establish rate with water below packer. Acidize perforations with 1000 gals 10% HCL with 2 gals/1000 corrosion inhibitor & 2 gals/1000 Iron control. Flush w/water. Drop 33 7/8" 1.3 SG ball sealers in 11 groups of 3 every 100 gallons acid & 100 gallons into flush. Pump acid at maximum rate with maximum pressure of 3500 psi. Release packers and TIH. Knock balls off perfs. Pull up & reset both packers.

11. Prepare to slickwater fracture stimulate the Meneffee according to the attached schedule using 60,000 lbs 20/40 brady tailed with 15,000 lbs 20/40 Santrol Super LC proppant at 40 BPM, Maximum pressure is **5000 psi**. FG= 0.47 to 0.53. Maximum concentration 1.5 ppg.

Stage	gal liquid	lbs sand
Pad	5,040	-
0.5#	7,560	3,780
1.0#	25,242	25,242
1.25#	24,780	30,975
1.50# Resin	10,500	15,750
Flush	1,806	-

SI well for 4 hrs to allow resin to set.

12. Equalize & release packers and TOOH laying down. Change rams, slips, & rubber to 2-3/8". PU notch collar and TIH cleaning out to RBP#1 w/gas. Clean well up. TOOH. PU PKR on 2-3/8" set above top meneffe perforation. RU tefteller. Set bomb in profile nipple, above PKR. SI well for 12 hours. Pull bomb. TOOH with PKR.

13. PU retrieving head on 2-3/8" tubing and TIH, engage, & release RBP #1 @ 5420'. TIH w/ notch collar & clean out to Model 'D' packer @ 5880'. TOOH laying down workstring of 2-3/8" N-80. PU original 2-3/8" J-55 DK tubing, rabbit & strap in the hole. Land tubing @7640+/-. Run blast jts as previous, include an additional set of bonded seals for seal assembly. Hydro-test DK 2-3/8" tubing in hole to 1500 psi. If tubing was cut in step 2/ or backed off, then reattach/screw together tubing & test.

14. Swivel spool, change rams, slips, & rubbers to run 1-1/2" EUE. Rabbit & Hydrotest MV 1-1/2" tubing in hole and land @ 5800' +/-. Hydrotest to 1500 psi. Run same orange peeled & perfed jt, to catch ball.

15. ND BOP. NU WH. Gauge DK tubing and gauge MV tubing ensuring flow will occur & tubing is open. RD & Release rig to next location.

16. Reconnect surface facilities & commence production under orginal approvals. Notify marketing of redelivery.

Suggested Vendors:

Stimulation, Acid, N2	Halliburton Energy Services	325-3575
Bridge Plugs & Packers	Baker Oil Tools	325-0216
2-3/8" N-80 workstring	District Tools	326-9853-Mike Brown
3-1/2" N-80 EUE fracstring	Oil Field Rental	327-4421
Pressure Bombs	Tefteller	325-1731
Engineering	Tom Mullins	326-9546-w
		327-8692-pager

TEM
9/8/95

9/10/95