

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____				5. LEASE DESIGNATION AND SERIAL NO. Jicarillo Contract #96	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarillo "H"	
2. NAME OF OPERATOR Mobil Oil Corporation				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 633, Midland, Texas 79701				8. FARM OR LEASE NAME Jicarillo "H"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1530 FNL & 990 FNL, Sec. 2, T-26-N, R-3-W At top prod. interval reported below At total depth				9. WELL NO. 6A	
14. PERMIT NO. _____ DATE ISSUED _____				10. FIELD AND POOL, OR WILDCAT Blanco Mesa Verde	
15. DATE SPUDDED 12-27-75				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 2, T-26-N, R-3-W	
16. DATE T.D. REACHED 1-8-76				12. COUNTY OR PARISH Rio Arriba	
17. DATE COMPL. (Ready to prod.) 2-2-76				13. STATE New Mexico	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 7071 GR				19. ELEV. CASINGHEAD	
20. TOTAL DEPTH, MD & TVD 6250		21. PLUG, BACK T.D., MD & TVD 6200		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY X		ROTARY TOOLS		CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5950-5996, 5832-5910, 5695-5742, 5464-5526 Mesa Verde				25. WAS DIRECTIONAL SURVEY MADE No	
26. TYPE ELECTRIC AND OTHER LOGS RUN Dresser Atlas IES, Density, BHC density - GR & Caliper, Temp. Survey				27. WAS WELL CORED No	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8	20.0	225	12 1/4	225 X (circ.)	
4 1/2	11.60	6244	7-7/8	1350 X (2 stages)	
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
1 1/2	6014				
31. PERFORATION RECORD (Interval, size and number) See Attached			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. See Attached		
33.* PRODUCTION					
DATE FIRST PRODUCTION 2-6-76	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing		WELL STATUS (Producing or shut-in) Shut-in wait on gas connection		
DATE OF TEST 3-7-76	HOURS TESTED 3	CHOKE SIZE 48/64	PROD'N. FOR TEST PERIOD 172	OIL—BBL. 21.5	GAS—MCF. 2055
FLOW. TUBING PRESS. 322	CASING PRESSURE 1165	CALCULATED 24-HOUR RATE 172	OIL—BBL. 172	GAS—MCF. 2055	WATER—BBL. 8
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold—waiting on gas connection w/Northwest Pipe Line			TEST WITNESSED BY M. L. Riley, Jr.		
35. LIST OF ATTACHMENTS (1) Daily Drilling Report Summary					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED Christine O. Tucker		TITLE AUTHORIZED AGENT		DATE 3-9-76	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or Federal procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24 below regarding separate reports for separate completions.

If not filed prior to the time this summary report is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as a reference, (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Sand	0	319	See Daily Drilling Summary	Pictured Cliff Lewis Shale Mesa Verde Manefee Point Lookout Mancos Shale	3672	
Sand & Shale	319	6250			3778 5452 5526 5831 6000	

#31 - Perforation Record

5950, 52, 54, 56, 58, 60, 62, 64, 66, 74, 76, 78, 84, 86, 88, 90, 92, 94 and 5996 w/1 JSPF, total of 19 holes.

5832, 34, 36, 42, 44, 46, 48, 60, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 5900, 02, 04, 06, 08 and 5910 w/1 JSPF, total of 27 holes.

5695, 97, 5700, 05, 07, 09, 11, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40 and 5742 w/1 JSPF, total of 18 holes.

5464, 66, 68, 70, 72, 74, 76, 84, 86, 88, 90, 92, 94, 96, 5506, 08, 10, 12, 14, 16, 18, 20, 22, 24 and 5526 w/1 JSPF, total of 25 holes.

#32

Depth Interval
5950-5996

Amount and kind of material used:

500 gal 15% NEA + 8,000 gals pad + 8,000 gals w/1/4#
20/40 sd per gal + 8,000 gals w/1/2# - 20/40 sd per gal
+ 8,000 gals w/3/4# - 20/40 sd per gal + 20,000 gals w/1#
20/40 sd per gal.

5832-5910

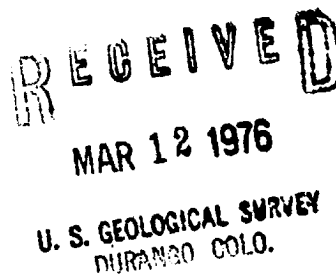
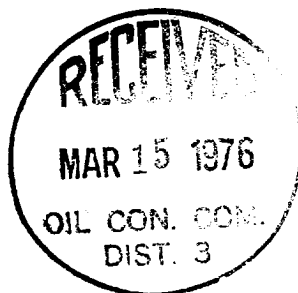
500 gals 15% NEA + 8,000 gals pad + 8,000 gals w/1/4#
20/40 sd per gal + 8,000 gals w/1/2# - 20/40 sd per gal +
8,000 gals w/3/4# - 20/40 sd per gal + 31,800 gals w/1#
20/40 sd per gal.

5695-5742

500 gals 15% NEA + 8,000 gals pad + 8,000 gals w/1/4#
20/40 sd + 8,000 gals w/1/2# - 20/40 sd + 8,000 gals w/3/4#
20/40 sd + 2,000 gals w/1# - 20/40 sd flushed w/89 BLW.

5464-5526

500 gals 15% NEA + 8,000 gals pad + 8,000 gals w/1/4#
20/40 sd + 8,000 gals w/1/2# - 20/40 sd + 8,000 gals w/3/4#
20/40 sd + 3200 gals w/1# - 20/40 sd flushed w/84 BLW.



DAILY DRILLING REPORT

JICARILLA "H" #6-A

JICARILLA "H" #6-A, 990' FNL & 990' FWL Sec 2, T26N, R3W, Blanco Mesa Verde Field, Rio Arriba County, New Mexico. OBJECTIVE: Drill and complete and equip a single Mesa Verde gas well.

12/28/75 (1) 319 ND 12-1/4" hole, Dev 1/2 @ 313, WOC on 8-5/8 csg, Arapahoe Drlg Co spud 6:00 PM, 12/27/75, ran 12 jts 8-5/8", 20# ST&C csg, BJ Co cemented on bottom w/225 sx Class A w/2% CaCl, PD @ 6:00 AM, 12/28/75; cmt circulated.

12/29 (2) 1745 drlg sd & sh, 7-7/8" hole, Dev 3/4 @ 1368. 8.6-35-15. Test BOP & csg to 1000# before drlg plug.

JICARILLA "H" #6-A

12/30 No report.

JICARILLA "H" #6-A

12/31 (4) 3600 drl sd & sh, 7-7/8" hole, 1° @ 3211, 1½° @ 3600
8.8 31-9.8

JICARILLA "H" #6-A

1/1/76(5) 4018' drlg sd & sh, 7-7/8" hole, 1½° @ 4018 8.7-40--9.8
4012' @ midnite 12/31/75

1/2 (6) 4341 drlg sd & sh, 7-7/8" hole NND 8.9-38-9.6

1/3 (7) 4766 drlg sd & sh, 7-7/8" hole, 1½° @ 4530 8.9-38-8

1/4 (8) 5148 drlg sd & sh, 7-7/8" hole, 1½° @ 4971 8.9-38-8

1/5 (9) 5490 drlg sd & sh, 7-7/8" hole, 1½° @ 5475 8.9-37-8.4

JICARILLA "H" #6-A

1/6 (10) 5753 drlg sd & sh, 7-7/8" hole, 1½° @ 5607 9.0-38-5.2

JICARILLA "H" #6-A

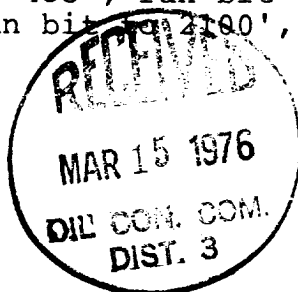
1/7 (11) 5970 drlg sd & sh, 7-7/8" hole NND 9.0-38-9.8

JICARILLA "H" #6-A

1/8 (12) 6177 drlg sd & sh, 7-7/8" hole NND 9.0-38-11.2

JICARILLA "H" #6-A

1/9 (13) 6250 TD sd & sh, 7-7/8" hole, 1½ 6250 9.2-58-7.4
fin hole @ 8:45 pm 1/8/76, circ/1½ hrs, POH Dresser-Atlas
ran logs, stpd @ 400', ran bit to 1000', Dresser ran logs
stpd @ 1500', ran bit to 2100', now POH w/bit





JICARILLA "H" #6-A

- 1/10 6250 TD sd & sh, 7-7/8 hole 9.3-60-7.0
Dresser-Atlas ran IES logs from surf to 6236, ran density log, stpd @ 3250, ran bit to btm, no fill up, POH, Dresser ran BHC density-GR & caliper logs from 0 to 6239, ran bit to btm P&LD DP& DC's, now rng 4½ csg.
- 1/12 6250 TD, WOC 4½ csg, ran 176 jts, 4½"OD, 11.60#, K55, 8 rd LT&C & ST&C csg to 6244, FC @ 6200, DV tool @ 4017, Howco cmtd 1st stage w/ 200 sx lite wgt cmt & 300 sx Class B cmt, containing 5# gilsonite per sx PD, 10:45 am 1/10/76, open DV tool @ 4017, circ/4 hrs, cmt did not circ, Howco cmtd 2nd stge thru DV tool w/ 750 sx lite wgt cmt + 100 sx Class B cmt containing 5# gilsonite per sx. PD @ 3:15 pm, 1/10/76, lost 100% circ after mixing 700 sx cmt, cmt did not circ, setslips, cut off csg, rel Arapaho Drlg Co., rig @ 7:00 pm 1/10/76, Blue Jet Wire Line Co ran temp surv, top of cmt @ 1550, Mo rig prep to MI unit to complete

JICARILLA "H" #6-A, 6250 TD

- 1/13 Inst unit anchors, MIRU, Drake Well Ser Unit 1/12/76, inst BOP, unload & rack tbq. SD for nite.

JICARILLA "H" #6-A, 6250 TD

- 1/14 Ran 3-7/8 bit or 4 3-1/8 DSC & 62 jts 2-3/8 tbq, SD for nite. WO tbq/6 hrs

JICARILLA "H" #6-A, 6250 TD

- 1/15 Fin running bit to 3916, drl cmt to 3986, dr DV tool @ 3986 (corrected depth), dr cmt fr 6110 to 6200 PBTD, circ cln, tst csg to 4000#, OK, displaced dr w/fr wtr containing 2½# FR/1000 gals, spotted 500 gals 15% NEA @ 5996 POH, Dresser-Atlas ran GR-collar-Corr log fr 5000 to 6200, then perf 4½ csg in the Mesa Verde @ 5950, 52, 54, 56, 58, 60, 62, 64, 66, 74, 76, 78, 84, 86, 88, 90, 92, 94, & 5996 w/ 1 JSPF total of 19 holes. SI & SD

JICARILLA "H" #6-A, 6250 TD

- 1/16 Western Co. SWF perfs 5950-5996 dwn 4½ csg w/ 500 gal 15% NEA, + 8000 gals pad + 8000 gals w/ ¼# 20/40 sd per gal + 8000 gals w/ ½# 20/40 sd per gal + 8000 gals w/ ¾# 20/40 sd per gal + 20000 gals w/ 1# 20/40 sd per gal, flushed w/ 93 BLW, BDCP 1300#, TCP 2000-2900-2200#, AIR 50.0 BPM, ISIP vacuum Dresser-Atlas perf 4½ csg @ 5832, 34, 36, 42, 44, 46, 48, 60, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 5900, 02, 04, 06, 08 & 5910 w/ 1 JSPF, total of 27 holes, ran Baker 4½ ret BP on 8 jts, 2-3/8 tbq & Dresser wire line, set @ 5930, Western Co. SWF perfs w/ 500 gals 15% NEA + 8000 gals pad + 8000 gals w/ ¼# 20/40 sd per gal + 8000 gals w/ ½# 20/40 sd per gal + 8000 gals w/ ¾# 20/40 sd per gal + 31800 gals w/ 1# 20/40 sd per gal, flushed w/ 91 BLW, BDCP 800#, TCP 2000-1600#, AIR 39.0 BPM, ISIP 100#, 1 min zerc, ran 4½ ret BP on 8 jts of tbq & Dresser wire line set @ 5770, then Dresser perf 4½ csg @ 5695, 97, 5700, 05, 07, 09, 11, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40 & 5742 w/ 1 JSPF, total of 18 holes. SI & SD. All frac fluid is fr wtr containing 2½# FR2/1000 gals.

JICARILLA "H" #6-A, 6250 TD

1/17 Western Co. SWF perfs 5695-5742 w/ 500 gals 15% NEA + 8000 gals pad + 8000 gals w/1/4# 20/40 sd + 8000 gals w/1/2 20/40 sd + 8000 gals w/ 3/4# 20/40 sd + 20000 gals w/1# 20/40 sd flushed w/ 89 BLW, all fluid contained 3½# FR2/1000 gals BDCP 2200#, TCP 1900-3150-2700#, AIR 40.0 BPM, ISIP 750#/25 min, SIP 600#, SI/1 hr, CP 600#, F back 125 BLW, CI, CP 400#, pmped 1500# sd dwn csg, SI/2 hrs, Dresser-Atlas ran gun tag top of sd @ 5661 then perf 4½ csg @ 5464, 66, 68, 70, 72, 74, 76, 84, 86, 88, 90, 92, 94, 96, 5506, 08, 10, 12, 14, 16, 18, 20, 22, 24 & 5526 w/ 1 JSPF total of 25 holes, Western Co. SWF perf w/500 gals 15% NEA, + 8000 gals pad + 8000 gals w/¼# 20/40 sd + 8000 gals w/½# 20/40 sd + 8000 gals w/3/4# 20/40 sd + 3200 gals w/1# 20/40 sd flushed w/ 84 BLW, all fluid contained 3½# FR2/1000 gals BDCP 1100#, TCP 2300-3100-2600#, AIR 45.0 BPM, ISIP 250#, 10 min 150#, job compl @ 7:35 pm 1/16/76. SI & SD

1/18 SI/12 hrs, CP vacuum, ran Baker ret tool on 2-3/8 tbg, tag top of sd @ 5513, rig up, reverse unit, stuck tbg @ 5492 worked stuck tbg/5 hrs, SD for nite.

1/19 McCullough Tool Co ran free point indicator tag sd in tbg, @ 5220 tbg free @ 5216, rig dwn, McCullough pref to rig up Newsco endless tbg & clean out. SD for nite.

JICARILLA "H" #6-A, 6250 TD

1/20 MIRU Newsco ran 1" endless tbg, CO frac sand from 5220 to 5730, top of ret BP, rel Newsco well kicked off & flwd/1½ hrs, kill well w/50 BLW, worked stk tbg/2 hrs. SD for nite

JICARILLA "H" #6-A, 6250 TD

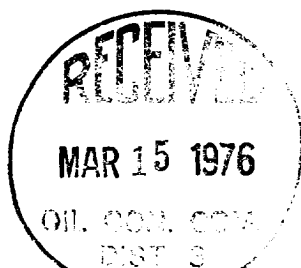
1/21 Bled off TP, McCullough Tool Co, ran free pt indicator, indicated tbg stuck @ 5415, free @ 5395, cut tbg @ 5393, POH, ran 3½ overshot w/2-3/8 grapples on jars B sub, 4 DC's Accelerator sub on 2-3/8 tbg to 5393, caught fish, jarred loose/1½ hrs, POH w/fish. SD for nite.

JICARILLA "H" #6-A, 6250 TD

1/22 Ran ret tool on hydrostatic bailer, Co frac sd 5700 to 5730, ret BP, POH, LD 2-3/8 EUE, 8rd tbg. SD for nite.

JICARILLA "H" #6-A, 6250 TD

1/23 SI/14 hrs, CP 1020#, bled off pres to 100#/1 hr, kill well w/ 60 bbls TFW, ran Baker ret tool on hydrostatic bailer & 2-3/8 hydril tbg, CO frac sd from 5730-5770, ret BP, POH, SDFN



- JICARILLA "H" #6-A, 6250 TD
- 1/24 SI/14 hrs, CP 1020#, kill well w/60 bbl TFW, ran hydrostatic bailer on 2-3/8 tbg, CO frac sd fr 6140 to 6200, POH w/ bailer, SDFN
- 1/25 Dwn past 24 hrs, WO tbg testers
- 1/26 SD for Sunday
- JICARILLA "H" #6-A, 6250 TD
- 1/27 SI/38 hrs, CP 1200#, bled off pres to 100#, cont to fl, pmped 80 BFW dwn csg, std tstg 1½" tbg in hole, SDFN.
- JICARILLA "H" #6-A, 6250 TD
- 1/28 Ran 1.18 ID, F nipple on 195 jts 1½ tbg, tstd to 4000# while running end of tbg @ 6014, removed BOP, inst tree, SDFN.
- JICARILLA "H" #6-A, 6250 TD
- 1/29 SI/14 hrs, CP 360#, TP zero, bled off CP, then sw 28 BLW in 2½ hrs, 3100' FIH, CP 160#, SI & SD.
- JICARILLA "H" #6-A, 6250 TD.
- 1/30 SI 14 hrs CP 840#, TP zero, swab 20 BLW/3-1/2 hrs, CP 900#, open csg F 450 BLW/4 hrs, SI 1 hr then F 137 BLW/2 hrs, cont to flow thru csg.
- JICARILLA "H" #6-A, 6250 TD
- 1/31 F 300 BLW thru csg/14 hrs, then F 14 BLW thru tbg/2 hrs, last 4½ hrs flowing gas & spray of LW thru tbg pm 1" ck, TP 0-100#, CP 1040#.
- 2/2 F 137 FLW/20 hrs on 48/64 ck, TP 120#, CP 1020#, cont to tst -4343 BLW
- JICARILLA "H" #6-A, 6250 TD
- 2/3 F 18 BLW/16 hrs on 48/64 ck, TP 120#, CP 1020#, SI, rig dwn, rel unit & well to prod @ 11:00 am, 2/2/76.
- JICARILLA "H" #6-A, 6250 TD
- 2/4 No report
- JICARILLA "H" #6-A, 6250 TD
- 2/4 SI - TP 1040, CP 1320, F 0 BO + 14 BW/5 hrs, no gas measurement, 3/4" ck, TP 140#, CP 1200#.
- 2/5 SI/17 hrs, TP 1200#, CP 1330#, Conn prod eqpt.
- JICARILLA "H" #6-A, 6250 TD
- 2/6 SI, CP 1380, TP 1200, F 1 BNO + 16 FW/8 hrs, no gas measurement, 3/4 ck, TP 180, CP 1100.



2/7 JICARILLA "H" #6-A, 6250 TD
 SI/17 hrs, TP 1200, CP 1380, F 3 BNO + 12 BW/7 hrs, no gas measurement,
 3/4 ck, TP 190, CP 1100.

2/8 SI/16 hrs, TP 1240, CP 1320, F 5 BNO + 18 BW/8 hrs, no gas measurement,
 3/4 ck, TP 180, CP 1100.

2/9 SI/24 hrs.

2/10 JICARILLA "H" #6-A, 6250 TD
 SI/24 hrs.

2/11 JICARILLA "H" #6-A, 6250 TD
 SI/24 hrs

2/12 JICARILLA "H" #6-A, 6250 TD
 SI/24 hrs

2/13 JICARILLA "H" #6-A, 6250 TD
 SI/24 hrs

2/17 JICARILLA "H" #6-A TD
 SI/4 days.

2/18 JICARILLA "H" #6-A, 6250 TD
 SI

2/19 JICARILLA "H" #6-A, 6250 TD
 SI

2/20 JICARILLA "H" #6-A, 6250 TD
 SI

2/23 JICARILLA "H" #6-A, 6250 TD
 SI

2/24 JICARILLA "H" #6-A, 6250 TD
 SI

2/25 JICARILLA "H" #6-A, 6250 TD
 SI

2/26 JICARILLA "H" #6 A, 6250 TD
 SI

2/27 JICARILLA "H" #6-A, 6250 TD
 SI

3/1 JICARILLA "H" #6-A, 6250 TD
 SI



3/2 JICARILLA "H" #6-A, 6250 TD
SI

3/3 JICARILLA "H" #6-A, 6250 TD
Ran NMOCC POT.

3/4 JICARILLA "H" #6-A 6250 TD
Calculating potential

3/5 JICARILLA "H" #6-A, 6250 TD
Calculating potential tests

JICARILLA "H" #6-A, 6250 TD
3/8/76 7 days/SI, TP 896, CP 1366, NMOCC POT TEST- F 21 BNO +
POTENTIAL 1 BFW+ 2055 mcfpd/3 hrs, 48/64 ck, TP 322, CP 1165, gas
grav 0.688, GOR 96,000:1, Caof 5478 mcfpd, compl 1/28/76,
SI WO pipeline connection
DROP FROM REPORT

