

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.6

5. LEASE DESIGNATION AND SERIAL NO.

Jicarilla Contract #111

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla

9. WELL NO.

#104

10. FIELD AND POOL, OR WILDCAT

W. Lindrith Gallup/Dakota

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

8-24N-4W

12. COUNTY OR
PARISH

13. STATE

Rio Arriba New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

ARCO Oil and Gas Company,
A Division of Atlantic Richfield Company

3. ADDRESS OF OPERATOR

1860 Lincoln St., Suite 501, Denver, Colorado 80295

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 985' FNL & 900' FEL (NE NE) Unit A

At top prod. interval reported below
Approx same

At total depth Approx same

API #30-039-22035

14. PERMIT NO.

DATE ISSUED

Mr. Barrick

5-15-79

15. DATE SPUDDED

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

19. ELEV. CASINGHEAD

8/11/79

8/26/79

10/9/79

6701' GL

6715' KB

-

20. TOTAL DEPTH, MD & TVD

21. PLUG, BACK T.D., MD & TVD

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

7355'

7160' PBTD

1

0-7355'

-

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

25. WAS DIRECTIONAL
SURVEY MADE

Gallup 6202-6025'; Graneros 6935-6944'; Dakota 7131-7081'

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL-FDC w/GR; DIL; CBL

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"	24#	267'	12-1/4"	300 sxs	None
5-1/2"	15.5# & 17#	7355'	7-7/8"	825 sxs (2-stage)	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					2-3/8"	6976'	None

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

Gallup: 6202-6025' - 25 holes
Graneros: 6935-6944' - 20 holes
Dakota: 7131-7081' - 19 holes
Burro Canyon: 7186-7195' - 10 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7186-7195'	250 gals 15% MCA acid
7182-7195' sqz	75 sx "B" cmt; .6% Halad 9
7160-7060'	100 gals 15% MCA acid
7131-7081'	33M gals 1% KCl, 43M# sd

33.* PRODUCTION (OVER)

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
10/5/79		Pumping				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10/9/79	24	1-1/2" bore	→	70	86	25	1229:1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
90# SP	100#	→	70	86	25	43.4°	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

To be sold

C.R. Thompson, Jr.

35. LIST OF ATTACHMENTS

2 of #26 above & Daily Well History

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

W.A. Walther, Jr.

TITLE

Operations Manager

DATE

10/19/79

*(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 regional 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, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record 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 33.

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 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
No cores or drill stem tests				Pictured Cliffs		2754
				Lewis Shale		2802
				Chacra		3584
				Mesaverde		4372
				Upper Mancos		5096
				Gallup		6014
				Greenhorn		6859
				Graneros		6921
				Dakota		7080
				Burro Canyon		7175
				Morrison		7334
#32. Continued						
Depth Interval (MD)			Amount and Kind of Material Used			
6935-6944'			250 gals 15% MCA acid			
6935-6944'			24.5M gals 1% KCl wtr, 38.4M# sd			
6215-6217'			250 gals 15% MCA acid			
6215-6217' sqz			125 sx "B" cmt, .6% Halad 9			
6202-6025'			2500 gals 15% MCA acid			
6202-6025'			126M gals 1% KCl wtr, 117.5M# sd			

9-23-79 (cont'd)

5-1/2 csg w/1% KCL wtr w/2#/1000 fric red'er & 15#/1000 fld loss add. Frac as foll: 22000 gals pad, 2900# @ 57 BPM; 17000 gals, 1/2# sd/gals, 3000# @ 56 BPM; 109000 gals, 1# sd/gal, 2700# @ 57 BPM; 5800 gals flush, 2600# @ 57 BPM. Total frac: 126000 gals wtr & 117500# sd. ISIP 1200#, 5 mins 1100#, 10 mins 1100#, 15 mins 1050#. 3-1/2 hrs flow to pit 20/64" chk. Press drpd 1050# to 500# when well opnd.

24 7309 To cont swbg. Flwg to pit, 48/64" chk. CP decr'd f/500-0#. TIH w/tbg opn ended. Tagged sh @ 6210'. Wsh dn to 6800'. Reset tbg @ 5978'. With SN @ 5947'. Swb f/SN & recov'd 330 bbls frac wtr, tr oil, fluid lvl stdng @ 2300'. CP - 0#.

25 7309 Cont to swb Gallup. 24 hrs swb Gallup perfs f/SN @ 5947'. Recov'd 414 bbls fluid, 10% oil, 90% wtr. FL scattered f/3300' to SN. Recovg 1000' fluid per swb run. Well blows dry f/about 10 mins behind each swb pull. CP builds to 400#, decrs to 350# after swb run.

26 7309 TD - Swb Gallup perfs. Swbg f/SN @ 5947'. Recov'd 190 bbls fluid, 30% oil, 70% wtr. Fluid lvl standg about 4500'. Last 4 hrs making 2 runs/hr; recov'g about 1 bbl/run. CP - 350#.

27 7160 PB - Prep to run overshot. Swbd f/SN @ 5947' - FL @ 4500', rec'd 19 BF, 30% oil, 70% wtr, CP 350#. Total Gallup frac load 3662 bbls. Rec'd f/Gallup flwg & swbg 1028 bbls. Gallup frac fld yet to recover 2634 bbls. Bled off csg. POH w/tbg. TIH w/bit & flt. Tagged @ 6714'. CO to & drl BP @ 6900'. Ran 3 jts tbg to 2nd BP @ 6996'. Drld same. Ran 5 jts tbg, CO to cmt retnr @ 7160'. PBTD. Circ hole clean. POH w/tbg & bit. TIH w/tbg & Bkr tbg anchor catcher. Attp'd to set anchor @ 7008'. Wouldn't set. POH. Left tub anchor & 3 jts tbg in hole.

28 7160 PB - Swbg to tst tk. WO OS. TIH, tagged top fish @ 7067'. Work OS over fish. PCH, did not have fish. Found control ring wouldn't go over tbg clr. WO new control ring. Instl OS & TIH. Latch onto fish. Couldn't pull fish. Circ dr tbg to remove gas & circ sd off tbg anchor catcher. Rec'd approx 150# sc. POH, rec'd fish. Found sml piece wood & sml metal scrap in tubg anchor catcher slips. TIH w/tbg & catcher. Strip off BOP & set tbg anchor catcher @ 6976' w/17M# tension. SN 1 jt up @ 6945'. Instl WH & RU to swb. Swb to tst tk. Initial FL @ 300', rec'd 20 BO & 75 BW, CP built f/0-35#. Final FL 1500'. Present swbg rate 15 BPH, sml gas show. Cont to swb.

29 7160 PB - Swbg 24 hrs. Initial FL 1500'. CHP - 25#, oil cut 6%. After 24 hrs rec 71 BO, 279 BW. Final rate 9 B/H @ 28% oil FL 4800', CHP 450#. Well gassing heavy after ea swb run. Will cont swbg.

30 7160 PB - SI f/press build-up to trip to fill. 12 hrs swb. IFL 3800' CHP 450#. Rec 11 BO, -59 BW. Final rate 6 B/hr w/heavy gassing after ea swb run. Final FL 5000'. CHP 325#. Oil cut 11%, last run. SI @ 6 PM, 9/29/79. No wrk Sun. Will swb a few times Mon morn & move to 107. Pmpg unit being prepd; will run rods ASAP.

10-1-79 7160 PB - Prep to set PU, run rods & pmp. 36 hrs SI. CP 850#. TP 400#. This a.m., TB bled off immed. Did not KO. Will ck FL w/swb, pull swb few times. Move to 107.

2 7160 PB - WO pmp unit. Moved Big "A", prep to set pmpg unit & run rods.

3 7160 PB - Moving pmpg unit to location.

4 7160 PB - Set pmpg unit, hauling out rods. RU plg unit & prep to run rods.

5 7160 PB - Find running rods & strt well to pmpg. Chg out wellhead. Ran 2" x 1-1/2" x 16' RWBC pmp, 194 3/4" grade D new rods & 50 - 7/8" grade D new rods. SDON.

6 7160 PB - Fin rng rods & began pmpg 4:30 pm 10/5/79. 86" stroke w/7 SPM.

7 7160 PB - On 18 hrs pmpg tst 58 BO & 26 BW & 86 MCFPD.

8 7160 PB - On 24 hrs pmpg 58 BO, 86 MCFPD & ungauged amt wtr.

10/9/79 7160 PB - COMPLETED OIL WELL, 10/9/79 (Dak-Graneros-Gallup perfs). On 24-hr pmpg tst 86" stroke, 7 SPM, 1-1/2" bore pmp. Pmpd 70 BO, 25 BW, 86 MCFPD f/Dak perfs 7131-7081'; f/Graneros perfs 6935-6944'; f/Gallup perfs 6202-6025'. 100# CP, 90# SP.

13 7309 PB - Swb Burro Canyon perfs 24 hrs swbg, rec'd 71 BW, total fld rec'd 191 BW. Last 20 hrs swbg 2 BPH rate. Plb swb 1 time/hr. CP 0#, no show oil or gas. FL approx. 6500'.

14 7309 PB - Prep to sq cmt Burro Canyon perfs. Swbg FL @ 6500', rec'd 6 BW, total rec'd 197 BW, no show oil or gas. Circ'd w/1% KCl wtr & POH. Set HOWCO easy drl cmt retainer @ 7160' CBL meas. Ran CBL w/constant 1200# on csg f/7130'-514'. Top cmt 1st stage 5251'. Top cmt 2nd stage 772'. Ran sq stinger on 2-3/8" tbg to 7160'. RU HOWCO, estab rate 2 BPM @ 2200#. Prep to sq w/75 sx Cl "B" 6/10 of 1% Halad 9.

15 7309 PB - WOC. Sq Burro Canyon perfs 7182-7195' w/75 sx Cl "B" cmt w/6/10% Halad 9, max & final press 3000#. Sq 5-1/2 bbls in fm, left 1/2 bbl in rat hole & rev'd out 10 bbls. POH w/work string. Ran McCull 3-3/8" cased gun & perf f/sq 7026-28' w/8 holes. WIH w/ HOWCO squeeze total to 7030'. Sptd 250 gals 15% HCl. Set pkr @ 6785'. Pl @ 2800#. Inj 3-1/2 BPM @ 2700#. Mxd 125 sx Cl "B" w/6/10% Halad 9. Pmpd 24 bbls into fm, left 2 bbls in csg w/max & final 2600#. Rev'd out. POH.

16 7309 PB - Flwg to pit after Dakota frac. WOC & WIH w/bit to 6930'. Drld 30' soft cmt; waited addl 6 hrs on cmt. Drld cmt 6930-7030' & tst sq'd perfs to 1900#, held OK. Circ w/1% KCl. Sptd 100 gals 15% MCA (7160-7060'). POH & perf Dakota 7131', 30', 29', 28', 27', 26', 25', 24', 7096', 95', 94', 93', 89', 88', 87', 84', 83', 82', 81' (19 holes CBL meas). Frac Dakota perfs w/49,900 gals & 1% KCl, 2#/1000 gals fric reducer, 30#/1000 gals FL ad, 43000# 20/40 sd. Pl @ 2900# as foll: 10,000 gals pad, 3400# @ 29 BPM; 8500 gals, 1/2# sd/gal, 3650# @ 30 BPM; 6750 gals, 1# sd/gal, 3700# @ 29 BPM; 7000 gals, 1-1/2# sd/gal, 3450# @ 30 BPM; 10,750 gals 2# sd/gal, 3200# @ 30 BPM; 6900 gals flush 3600# @ 30 BPM. Total frac 33,000 gals KCl wtr & 32,000# sd. ISIP 2800#, 5 min 2450#, 10 min 2300#, 15 min 2300#. Opnd well to pit on 20/64" chk w/1200# & flwd f/4 hrs; 2nd hr 20/64" chk - 200#; 3rd hr 48/64" chk - 80#; 4th hr 48/64" chk - 50#.

17 7309 PB - Swbg Dakota. Flw well 1 hr & died. TIH w/opn ended tbg & tagged sd @ 7130'. Wsh'd & CO sd to cmt retainer @ 7160'. Swbd well 20 hrs, rec'g 330 BLW w/tr oil, CP 170#, FL @ 4500'. Load yet to recover 858 bbls.

18 7309 PB - Swb & tstg Dakota perfs 7131-7081'. Swbd & tstd Dakota perfs f/24 hrs, rec'd 57 BF, 10% oil, 90% wtr. Csg built up to 310# & unloaded tbg. Last 6 hrs unload after ea swb pull. Blow dry gas f/5-10 min, then died. Total fld rec'd 387 bbls. 801 bbls yet to recover. Swbg f/SN, 1 pull/hr, 500-800' fld in hole.

19 7309 PB - Prep to run tbg to CO. Flwg Graneros to pit. Swb Dakota, 3 runs made 3 BF, 10% oil, 90% wtr. Bled csg dn, loaded & circ'd hole w/1% KCl wtr. POH w/tbg. Set HOWCO Easy Drl BP @ 6996'. TIH w/tbg opn ended to 6970'. Sptd 250 gals 15% MCA acid. POH & perf Graneros 6935-6944' (9' - 20 holes, McCull CBL Log meas). Frac Graneros w/38,800 gals 1% KCl wtr contng 2#/1000 gals fric reducer & 15#/1000 gals fld loss add & 32,000# 20/40 sd. Brk fm dn w/250 gals MCA @ 2900#. Frac as foll: 7500 gals pad, 24 BPM @ 3100#; 6400 gals, 1-1/2# sd/gal, 24 BPM @ 3100#; 5250 gals, 1# sd/gal, 24 BPM @ 3250#; 4300 gals, 1-1/2# sd/gal, 24 BPM @ 3200#; 8550 gals, 2# sd/gal, 24 BPM @ 3000#; 6800 gals flush 24 BPM @ 3000#. Total 24,500 gals wtr & 38,400# sd. ISIP 2600#, SI 4 hrs, press decr'd to 1100#. Flwg to pit, opn on 20/64" chk, csg decr'd f/1100-0#. Flwg full 2" stream wtr. Opn to 48/64" chk, CP 0#. Flwg 1-1/2" stream wtr.

20 7309 PB - Swb tstg Graneros fm. Flwg to pit, 1/2" stream wtr, CP incr'd f/0-50#. Sll show oil & gas. Instl pmp out plg in tbg & TIH. Tagged sd @ 6970'. PU & landed tbg @ 6900'. SN @ 6870'. Swbg rec'd 279 BF. Last hr FL @ 6000', rec'g 2 BF/hr. Swbg f/SN, CP 200#, fld cut 20% oil & 80% wtr. Sll gas show after ea swb pull.

21 7309 PB - Prep to re-squeeze. Swbd 4 runs f/SN @ 6870'. FL @ 6000'. Rec'd 8 BF, 20% oil, 80% wtr, sll show gas, CP 200#. Load hole & circ'd w/1% KCl wtr. POH, set CIBP @ 6900'. Press tstd to 4000# f/5 min, held OK. Dumpd 3 sx sd on BP. Perf f/squeeze, 6215-6217' (2' 2 holes/ft, 4 holes total). TIH w/pkr to 6225'. Sptd 250 gals 15% MCA acid. Reset pkr @ 5921'. Brk perfs @ 2600#. Estab'd rate of 3 BPM @ 2300#. Mxd 125 sx Cl "B" cmt w/.6 of 1% Halad 9. Pmpd 20 bbls slurry into perfs, 2 BPM @ 1000#. Staged 7 bbls slurry. Would not hold any press. Cleard perfs 2/15 BW. Flwd bk 10 bbls. Pmpd into perfs w/35 BW. SITP 1000#. SITP decr'd to 200#.

9-22-79 7309 Prep to drl out cmt plug. Re-sq perfs 6215-17 w/125 sx Cl "B" w/.6% Halad 9. M & F press 2500#. Sq. 23 bbls in fm & left 4 bbls cmt in csg. POH 10 sts & reset pkr. Tstd csg 1000# & tbg to 1500#. OK

23 7309 Flwg Gallup to pit. WOC & POH w/2-3/8" tbg & pkr. TIH w/tbg bit & scraper. Hit cmt @ 6015'. Drld 205' cmt, RIH to PB depth @ 6880'; circ w/1% KCl. POH perf Gallup w/McC 3-3/8 gm 6202, 6200, 6195, 6912, 6188, 6168, 6184, 6182, 6178, 6176, 6172, 6086, 6084, 6802, 6078, 6076, 6074, 6072, 6070, 6039, 6036, 6034, 6032, 6029, 6025. Per McC CBL log 9/11/79, correl to Sch CDL. Spot acid (2500) gal 15% brk dn w/1700 58 ball slrs treated @ 6 BM 2500#. Balled off @ 2500 w/all acid away. RIH w/5 stands & knock off ball. POH frac Gallup 6202-6025' dn

8-11-79 170 Drlg surf hole, sd & sh. MI 8/10/79. Drld rat hole & mouse hole. Spudded 4:00 a.m. 8/11/79. (RK to GL 14.50') Prop Code: 69-4417-5. Elev: 6701' GL (ungraded). Contr.-Aztec (#124).

12 800 Drlg. Ran 8 jts 8-5/8" 24# K-55 R3 ST&C csg w/GS (277.19'), set @ 267'KB. Cmt'd w/300 sx Cl "B", 2% CaCl₂, 1/4# Flocele per sx. Circ gd - 8 bbls back (Dow cmt'd). Cent middle btm jts, top 3rd jts & top jt #6. Displ'd w/17.5 bbls. 1/4" @ 700'. 120 RPM, 20M#. Mud: 8.7#, vis 36. B#1, 12-1/4", HTC, made 291' in 3-3/4 hrs. (B#2).

13 2385 Drlg sd & sh. 3/4" @ 1605', 1/2" @ 2121'. 80 RPM, 25M#. Mud: 9.5#, vis 37, WL 12, FC 2/32, Sd-tr, salt 550M, Ph 8.5, Pv 8, Yld 14, Gels 8/15, solids 8%, Ca 60, oil 5%. B#2, 7-7/8", HTC, made 1314' in 12 hrs. (B#3).

14 3000 Drlg sd & sh. 60-70 RPM, 40M#. Mud: 8.8#, vis 33, WL 8.4, FC 2/32, Sd-tr, salt 600, Ph 8, Pv 7, Yld 6, Gels 2/5, solids 4%, Ca 40, oil 5%. B#3, 7-7/8", HTC, OSCIG, made 1237' in 24 hrs. (B#4).

15 3650 Drlg sd & sh. 1" @ 3590'. 50 RPM, 40M#. Mud: 8.9#, vis 36, WL 5, FC 1/32, Sd-tr, salt 550, Ph 8.5, Pv 10, Yld 7, Gels 3/6, solids 5%, Ca 40, oil 5%. B#4, 7-7/8", HTC, OSC-IG, made 748' in 20-1/4 hrs. (B#5).

16 4160 Drlg sd & sh. 1" @ 4069'. 60 RPM, 40M#. Mud: 8.9#, vis 35, WL 5.2, FC 1/32, Sd-tr, salt 500, Ph 8, Pv 8, Yld 5, Gels 3/7, solids 5%, Ca 20, Oil 7%. (B#5).

17 4655 Drlg. 3/4" @ 4602'. 60 RPM, 40M#. Mud: 9#, vis 37, WL 6, FC 1/32, Sd-tr, salt 550, Ph 8.5, Pv 9, Yld 7, Gels 3/6, solids 5%, Ca 40, oil 6%. (B#5).

18 5140 Drlg sd & sh. 3/4" @ 5073'. 60 RPM, 40M#. Mud: 9#, vis 37, WL 8, FC 1/32, sd 1/2", salt 550, Ph 8, Pv 9, Yld 8, Gels 3/6, solids 5%, Ca 80, oil 5%. (B#5).

19 5483 Trip f/bit, sd & sh. 1" @ 5483'. 60 RPM, 40M#. Mud: 9.1#, vis 38, WL 7.5, FC 1/32, Sd 1/2", salt 550, Ph 8.5, Pv 10, Yld 8, Gels 4/6, solids 6%, Ca 70, oil 5.5%, B#5, 7-7/8", HTC, J-22, made 1893' in 88-1/4 hrs. (B#6)

20 5930 Drlg Sd & sh. 60 RPM, 40M#. Mud: 8.9#, vis 36, WL 8.4, FC 2/32, Sd 1", salt 500, Ph 8, Pv 6, Yld 4, Gels 2/9, solids 5%, Ca 60, oil 5%. (B#6).

21 6285 Drlg Sd & sh. 1" @ 5962'. 60 RPM, 40M#. Mud: 9#, vis 36, WL 8.6, FC 1.5/32, Sd-tr, salt 500, Ph 8.5, PV 9, Yld 6, Gels 2/4, solids 6%, Ca 40, LCM 3%, oil 8.5%. (B#6).

22 6630 Drlg sd & sh. 60 RPM, 40M#. Mud: 9.2#, vis 38, WL 8, FC 2/32, Sd 1", salt 600, Ph 8, Pv 12, Yld 14, Gels 4/10, solids 7%, Ca 40, LCM 4%, oil 7%. (B#6).

23 6940 Trip f/bit, Dakota. 60 RPM, 40M#. Mud: 9.2#, vis 42, WL 6.2, FC 2/32, Sd 1", salt 450, Ph 8, Pv 16, Yld 15, Gels 10/12, solids 7%, Ca 40, LCM 5%, oil 7%. B#6, 7-7/8", Hughes, J-22, made 1457' in 90 hrs.

24 7145 Drlg, Dakota. 1/2" @ 6940'. 50 RPM, 40M#. Mud: 9#, vis 38, WL 5.8, FC 2/32, Sd-tr, salt 400, Ph 8, Pv 11, Yld 12, Gels 3/7, solids 6%, Ca 40, LCM 3%, oil 7%. (B#7).

25 7355 RU loggers, Morrison fm. Drld to 7355', made 10 std short trip. No drag or fill. Circ & POH. 50 RPM, 40M#. Mud: 9.2#, vis 85, WL 5.2, FC 2/32, salt 450. Ph 8.5, Pv 20, Yld 44, Gels 12/28, solids 6%, LCM 3%, oil 7%. B#7, 7-7/8", Sm., F-5, made 415' in 34-1/4 hrs.

26 7355 Cmtg csg, Morrison fm. Ran CNL-FDC 2/ GR & DIL f/7346-293'. Made trip w/ bit, cond hole & POH LD DP. Ran 184 jts 15.5# & 17# K-55 ST&C csg (7370') set @ 7355', FC @ 7313', DV tool @ 2960', 20 scratchers 7310-6890', 5 scratchers 2755-2675', crtzlrs #1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 13, 15, 19, 21, 108, 110, 112, 114, & 116. Bskts on #107 & 108. Mud: 9#, vis 60, WL 7.

27 7355 TD - MORT. Pmpd 500 gals mud flush, then cmt'd 1st stage w/300 sx 50/50 Poz + 2% gel, 6-1/4# Gilsonite/sx, 3/4" D-65, tailed w/150 sx neat cmt. Circ'd thru DV tool f/2 hrs. Pmpd 500 gals mud flush, then cmt'd 2nd stage w/275 sx 50/50 Poz + 4% gel, 6-1/4# Gilsonite/sx, 3/4" D-65, tailed w/100 sx neat cmt. PD 11:30 a.m. 8/26/79. Hung full wt csg on slips & cut off. RR 1:30 p.m. 8/26/79. (moving to #107 @ 7 a.m.).

28 7355 TD - Prep to clean location. Fin MORT.

29 7355 TD - WO completion.

30 7355 TD - WO completion. Drop f/report until completion commences.

31-79/9-9-79 7355 TD - WO completion. Drop f/report until completion commences.

9-10-79 7355 TD - MI & RU CU.

11 7355 TD - Prep to PU bit & csg scraper & run cased hole logs. MI & RU Big "A" Well Serv. NU tbq head & BOP. Unload & tally 210 jts 2-3/8" EUE tbq. MI 12 - 400 bbl frac tks.

12 7309 PB - Swbg Burro Canyon fm. Ran 4-3/4" bit & 5-1/2" csg scraper on 2-3/8" tbq. Tagged cmt @ 2882'. Drld DV tool @ 2940'. CO to PBTD 7309'. POH. RU McCall & ran CBL w/var dens & GR clr correl log. Press tst csg to 4000#, held OK. Ran tbq opn ended to 7219'. Displ'd hole w/1% KCl wtr. Sptd 250 gals 15% MCA acid. POH, perf'd Burro Canyon 7186-7195' (9' - 10 holes). Cmt bond log meas correlated to Sch CNL-FDC log. Brk fm dn @ 4 BPM 2600#. Displ'd acid @ 5.4 BPM 230C#. ISIP 1900#, 5 min SI 1000#. Ran tbq to 7188'. SN @ 7157'. Swb Burro Canyon perfs 3 hrs, rec'd 120 BW. Last run FL @ 3200'. Csg on vac.