

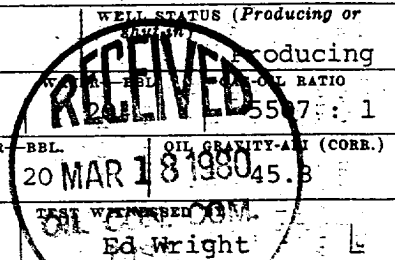
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Contract #111	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla	
2. NAME OF OPERATOR ARCO Oil and Gas Company, Division of Atlantic Richfield Company		7. UNIT AGREEMENT NAME _____	
3. ADDRESS OF OPERATOR P. O. Box 5540, Denver, Colorado 80217		8. FARM OR LEASE NAME Jicarilla	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1950' FSL & 1650' FWL (NE SW) Unit-K At top prod. interval reported below Approx. the same At total depth API # 30-039-22252		9. WELL NO. 112	
14. PERMIT NO. Mr. Barrick		10. FIELD AND POOL, OR WILDCAT W. Lindrith - Gallup/Dakota	
DATE ISSUED 11-26-79		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA 6-24N-4W	
15. DATE SPUDDED 12-8-79		12. COUNTY OR PARISH Rio Arriba	
16. DATE T.D. REACHED 12-22-79		13. STATE New Mexico	
17. DATE COMPL. (Ready to prod.) 2-21-80		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6850' GL; 6863' DF; 6864' KB	
19. ELEV. CASINGHEAD ---		20. TOTAL DEPTH, MD & TVD 7483' TD	
21. PLUG, BACK T.D., MD & TVD 7442' KB		22. IF MULTIPLE COMPL., HOW MANY* 1	
23. INTERVALS DRILLED BY -->		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Dakota 7245'-7315' & Gallup 6197'-6411' OA	
25. WAS DIRECTIONAL SURVEY MADE NO		26. TYPE ELECTRIC AND OTHER LOGS RUN DIL; FDC/CNL/GR	
27. WAS WELL CORED NO		28. CASING RECORD (Report all strings set in well)	
29. LINER RECORD		30. TUBING RECORD	
31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
33.* PRODUCTION		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	
35. LIST OF ATTACHMENTS		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	



MAR 17 '80 *(See Instructions and Spaces for Additional Data on Reverse Side)

District
RV

State

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

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 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 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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH
NO CORES AND NO DST'S				Pictured Cliffs	2871'
				Lewis Shale	2939'
				Chacra	3734'
				Mesaverde	4528'
				Upper Mancos	5247'
				Gallup	6184'
				Greenhorn	7023'
				Graneros	7082'
				Dakota	7236'
				Burro Canyon	7334'
				Morrison	7476'

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

7226' squeeze	250 gals 15% HCL
7226' squeeze	125 sxs Cl "B" & .6% Halad-9
6450' squeeze	125 sxs Cl "B" & .6% Halad-9
7325'	350 gals 15% HCL
7245'-7315'	97,000 gals KCL & 90,000# sand
6357'-6411'	1000 gals 15% HCL & adds & 76 ball sealers
6357'-6411'	160,000 gals 1% KCL, 20,000# 100 mesh sand & 150,000# 20/40 mesh sand
6197'-6301'	135,800 gals 1% KCL & 30,000# 100 mesh sand & 193,760# 20/40 mesh sand

12/9/79 312 WOC & NU. Ran 5 jts 8 5/8 24# K-55 ST&C csg (312'), cmt w/300 sx C1 "B" + 2% CaCl 1/4 #/sx flocele, landed @ 298' RKB. Spudded @ 3:00 p.m. 12/8/79. 3/4° @ 300', 90 RPM, 2-12,000#. Mud: 8.8, vis 50. Bit #1, 12 1/4, HTC, OSC3, made 312' in 6 hrs.

12/10/79 1307 TIH w/bit #3. fm.: sd & shale. Press. tstd blind & pipe rams to 1000#. (995) 1 1/2° @ 1021'; 1 1/4° @ 1307', 90 RPM, 20M#. Mud: 8.6#, vis 36, WL 7.2, FC 2/32, Sd-tr, salt 350, Ph 11.5, oil 8%, Pv 6, Yld 1, Gels 0/0, solids 1, Ca 80, Bit #2, 7 7/8 Smith, DT, made 995' in 7 1/2 hrs. (B#3).

12/11/79 2672 Drlg. Fm.: sd & sh. 2° @ 1812'; 1 3/4° @ 2470'. 90 RPM, 30M#. Mud: 8.8# (1365) vis 40, WL 7.8, FC 2/32, Sd-tr, salt 450, Ph 10.0, oil 7%, Pv 18, Yld 6, Gels 3/12, solids 3%, Ca 20, Bit #3, 7 7/8, Smith, BTG, made 1163' in 12 1/2 hrs, (B#4).

12/12/79 3325 Drlg. Fm.: sd & sh. 2° @ 3192'. 60 RPM, 40M#. Mud: 8.9#, vis 47, WL 6, (653) FC 2/32, Sd-tr, salt 450, Ph 9.0, oil 7%, Pv 16, Yld 6, Gels 2/5, solids 4%, Ca 40. (B#4).

12/13/79 3896 Drlg. Fm.: sd & sh. 1 3/4° @ 3668, 68 RPM, 40M#. Mud: 9.0#, vis 50, WL 6.2, (571) FC 2/32, Sd tr, salt 350, Ph 9.0, oil 6%, Pv 20, Yld 8, Gels 3/12, solids 5%, Ca 40. (B#4).

12/14/79 4380 Drlg. Fm.: SD & sh. 2 1/4° @ 4172'. 65 RPM, 40M#. Mud: 9.2, vis 50, WL 6.0, (484) FC 2/32, Sd-tr, salt 350, Ph 8.5, oil 6%, Pv 20, Yld 8, Gels 3/8, solids 6%, Ca 40. (B#4).

12/15/79 4714 Drlg. Fm: sd & sh. 60 RPM, 40M#. Mud: 9.2#, vis 45, WL 6, FC 2, Sd-tr, (334) salt 400, Ph 8.5, oil 6%, Pv 15, Yld 4, Gels 1/3, solids 6%, Ca 60. (B#4).

12/16/79 4961 Drlg. Fm: sd & sh. 2 1/4° @ 4785, 60 RPM, 40M#. Mud: 9.1#, vis 50, WL 6, (247) FC 2, Sd-tr, salt 650, Ph 8.5, oil 6%, Pv 18, Yld 6, Gels 3/15, solids 5%, Ca 60. Bit #4, 7 7/8" HTC, J-22, made 2315' in 95 hrs. (B#5).

12/17/79 5490 Drlg. Fm: sd & sh. 1 1/2° @ 5271'. 60 RPM, 40M#. Mud: 9.0#, vis 49, WL 7.2, (529) FC 2/32, Sd-tr., salt 350, Ph 8.5, oil 6%, Pv 16, Yld 8, Gels 3/9, solids 5%, Ca 80, (B#5).

12/18/79 6082 Drlg. 1 1/4° @ 5780'. 65 RPM, 42M#. Mud: 9.0#, vis 45, WL 4, FC 2/32, (590) Sd-tr, salt 600, Ph 8.5, oil 7%, Pv 18, Yld 6, Gels 2/6, solids 4%, Ca 80, (B#5).

2/19/80 6546 Drlg. Lost approx 150 bbls mud between 6250-6300'. 65 RPM, 42M#. Mud: 9.3, vis 47, WL 6, FC 2/32, Sd tr, Salt 450, Ph 8.5, Oil 6%, Pv 16, YP-5, Gels 1/3, Solids 7%, Ca 160, (B#5).

2/20/80 7170 Drlg. 75 RPM, 45M#. Mud: 9.5#, Vis 53, WL 4.4, FC 2/32, Sd 1/4%, Salt 600, Ph 8.5, Oil 6%, Pv 22, Yld 10, Gels 3/12. Solids 9%, Ca 80, (B#5).

2-21-80 7395 Drlg. Pipe strap corr. f/7259-7252'. 2-3/4° @ 7252'. 75 RPM, 45M#. Mud: 9.4#, Vis 60, WL 4.4, FC 2/32, Sd 1/4%, Salt 650, Ph 8.5, Oil 6%, Pv 16, Yld 6, Gels 2/5, Solids 7%, Ca 120, Bit #5, 7-7/8, HTC, J-22, made 2467' in 103-1/2 hrs, (B#6).

2-22-80 7483 Logging w/Schl. Wire line TD 7493'. (1 trip for hole in DP above collar.) Working on density tools. 75 RPM, 45M#. Mud: 9.3#, vis 80, WL 4.4, FC 2/32, Sd 1/4, Salt 550, Ph 8.5, Oil 6%, Pv 22, Yld 10, Gels 3/5, Solids 7, Ca 80. Bit #6, 7-7/8, Smith, F-5, made 231' in 17 hrs.

2-23-79 7483 Prep to run 5-1/2" csg. Schl. ran CNL tool - would not work, had to get 2nd tool from Farmington. Ran CHL FDC w/GR & Caliper WLTD 7495'. Ran bit circ 1 hr. LDDP. RU to run 5-1/2" csg. BJ to cmt. Mud: 9.0#, vis 40, WL 6.0, FC 2/32, Sd tr, Salt 450, Ph 8.5, Oil 6%, Pv 12, Yld 5, Gels 0/2, Solids 7%, Ca 80.

2-24-79 7483 Prep to shut down for Holidays. Ran 178 jts 5-1/2" 17# & 15.5 #K-55 csg w/Diff. fill up collar & shoe & w/DV clr on top of 85th jt (3878'). Total lgth of csg float equip & DV tool is 7489.57'. Landed csg on btm w/Diff FC @ 7442' & DV @ 3878' & used 35 scratchers spaced @ 20' intervals on jts 3 thru 10 & 25 thru 33. Used 20 cent on jts 1,3,4,5,6,8,10,13,16,19,22,24,26, 28,30,84,86,88,90 & 92. Baskets on 83rd & 84th jts. Cmdt 1st stage using 10 BW, 1000 gal mud flush & 375 sx of B. J. Thixoset (100 bbl slurry) & displ cmt w/177 bbls H₂O. Bumped plugs & floats held ok. Cmdt thru DV tool using 1000 gal mud spacer followed by 300 sx B. J. Thixoset (80.7 bbls slurry) & displ closing plug using H₂O & closing @2000#. Job complete @ 1 p.m. 12/23/79. Had good returns thru out the job. Landed & cut off 5-1/2" csg. Released rig @ 4pm 12/23/79. WO Completion Unit.

2/25/79 7483 TD - WO Completion Unit. Rig released 4 pm. 12/23/79 after landing 5-1/2" csg.

2/26/79 7483 TD - WO Completion Unit.

2/27/79 7483 TD - SI. WO Completion.
(Drop f/report until completion commences.)

-23-80 7483 TD - Prep to perf for squeeze. MI RU, unload & tally 243 jts 2-3/8" EUE tbg. NU BOP. TIH w/127 jts tbg, 4-3/4" bit & csg scraper. Tag cmt @ 3866'. CO & drld DV tool @3878'. Fin TIH to float clr @ 7442'. Circ clean; disp hole w/1%KCl wtr. POH. Rng CBL GR correl log w/var density. (Printing logs & deliver to office.)
(Dropped f/report of 12/27/79.)

-24-80 7483 TD - Prep to bleed off tbg to check for flow back. Study CBL. TIH w/2-3/8" tbg. opn ended to 7232'. RU Halliburton. Press tst csg to 4000#. Held ok - 5 min. Sptd 250 gals 15% HCl. POH. Perf 4 holes @ 7226'. Set Bkr cmt retainer on WL @ 7180'. TIH w/tbg & stinger. Fm brk @ 3600#. Est rate of 2 BPM @ 3200#. Squeezed w/125 sxs Class "B" cmt w/.6% Halad-9. Pmpd 23 bbls cmt into fm. Left 1 bbl in csg. Reversed out 2 bbls cmt. Max press 3200#. Stood @ 3200#, POH. Perf 4 holes @ 6450'. TIH w/Bkr Retrievmatic Pkr. Set pkr @ 6140'. Broke fm @ 2300#. Pmpd in @ rate of 3 BPM, 2300#. Mix 125 sx Class "B" cmt w/.6% Halad-9. Pmpd 21-1/2 bbls cm slurry into fm. Left 4-1/2 bbls cmt in csg. @ 6:00 a.m. 1-24-80 press stdg.

-25-80 7483 TD - Prep to drl out cmt & BP. Press up tbg to 1200#. Released press. Flwd back 1/4 bbl. Re-pressured to 1200#, held steady. Released pkr. POH. WOC.

-26-80 7483 TD - RU to frac Dakota zone. WOC. GIH w/4-3/4" bit cmt @ 6245'. Drld to 6450' firm cmt. CO to retainer @ 7180'. Drld retainer & cmt to 7226'. CO to FC @ 7442'. Reset tbg @ 7325'. Sptd 350 gal 15% HCl to btm. POH. Dresser Atlas perf Dakota 7245, 47, 49, 51, 53, 55, 72, 73, 74, 75, 76, 84, 85, 86, 88, 89, 90, 92, 93, 94, 96, 97, 98, 7301, 02, 03, 05, 06, 07, 09, 10, 11, 13, 14, 15, = 35 shots. All meas DA CBL-GR corr log dated 1/22/80. Correl to Schl CNL FDC dated 12/22/79. Mix KCl wtr & WO frac crews.

-27-80 7483 TD - Prep to resume Dakota frac. 13 hrs. WO Western to repair frac equip. Started to frac Dakota perfs 7245-7315' w/97,000 gal KCl H₂O & 90,000# 20/40 sd. FBD 2200#. Started as follows:

Gallons	Sd Conc	BPM	Press
2000	Pad	45	2700
18000	1/2# 20/40	42	2600
7000	1#	39-1/2	3000

Had equip failure, lost all press on pumps. Flushed w/170 bbl 1% KCl wtr (also had chicksan leak during pad, & blew up check valve in line). 9 hr. Repairing equip & haul wtr.

<u>Gallons</u>	<u>SD Conc</u>	<u>BPM</u>	<u>Press</u>
4000	Pad	42	2600
7000	1# gal	44	2650
16000	1-1/2# gal	42	3200
10500	2#/gal	42	3050

Pmp went down, had to flush.

7000	Flush	28	2500
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ISIP 2200#. RU-start in w/Bkr BP; drop BP & setting tool in hole. SI press decrease f/1475#.to 1200#. Install chk on csg. Bled csg off thru 18/64" chk. Rec'd 240 bbls load wtr. CP down to 320# @ 6:00 a.m. 1/28/80.

1-29-80 7483 TD - Prep to fish for setting tool. Flwg well to lower press. CP came down f/320# to 25#. Rec'd 117 bbls load wtr. Made up overshot hydraulic jars, bumper sub, 6 DC's, accelerator sub TIH. Tagged fish @ 7349'. Latched onto fish. POH to 4744'. BP set, pulled up to 60,000#, Came loose. POH. Rec'd. setting tool. LD fishing tools. PU 4-3/4" bit. TIH. Tagged up @ 4744'.

Drl BP. CO to FC @ 7442'. POH. RU DA. Set BP @ 6440'. POH Collar locator stopped @ 3880'. Setting tool had dropped off. Making up overshot for trip in after setting tool.

1-30-80 7483 TD - Prep to frac Gallup 2nd stage. TIH w/overshot, Latched onto setting tool. POH. Rec'd setting tool. Press tst csg & BP to 4000#, held steady 5 mins. Perf Gallup stage 1 as follows: 6357, 59, 61, 63, 65, 66, 67, 69, 70, 71, 73, 74, 75, 77, 78, 79, 81, 82, 83, 85, 87, 88, 89, 91, 92, 93, 95, 97, 99, 6400, 01, 03, 04, 05, 07, 09, 10, 11 (38 holes). DA CBL measured dated 1-22-80 correl to Schl. CNL-FDC log dated 12-22-79. TIH w/BKR Retrievmatic Pkr, set @ 6245'. Trtd perf w/1000 gals 15% HCl w/15#/1000/ gals iron sequestrant agent, 1 gal/1000 clay stablizer, 1 gal/1000 surfactant & 76 ball sealers. Fm broke @ 3600#. Trtd 4 BPM # 3800#. Balled-off @ 4000#. Released pkr, lowered thru perfs. POH. Frac Gallup perfs 6357'-6411' w/160,000 1% KCl wtr, 20,000# 100 mesh sd, 150,000# 20-40 mesh sd.

<u>Gals</u>	<u>SD Conc</u>	<u>BPM</u>	<u>Press #</u>
4000	Pad	41	2400
10000	2#/gal (100 mesh)	40	2000
16000	1#/gal (20-40)	40	1900
12000	2#/gal (20-40)	40	1800
10000	3#/gal (20-40)	40	1800
10000	4#/gal (20-40)	40	1700
8000	5#/gal (20-40)	40	2000
6000	flush	40	2000

ISIP 1200#, 5 min SIP 1100#, 10 min SIP 1000#, avg tstg press 1900# @ 40 BPM. Max trtg press 2400# @ 42 BPM. Set CIBP @ 6325'. Press tstd to 4000# held steady for 5 mins. Perf Gallup stage 2@ following depths: 6197', 98, 99, 6200', 01, 02, 03, 10, 11, 12, 13, 14, 31, 32, 33, 34, 35, 39, 40, 41, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 86, 87, 88, 89, 90, 97, 98, 99, 6300', 01 (55 shots). After 1st gun went off, well started unloading. SICP 300#. WO wtr trucks & Western gel to arrive.

1-31-80 7483 TD - Prept to drill out BP, Frac trucks & wtr trucks stuck, pulling to loc. w/ dozers. Gelling up frac wtr. Frac Gallup Stage 2 (perfs 6197'-6301') w/Western Mini-max III-30 gel in 135,800 gals 1% KCl wtr & 30,000# 100 mesh sd & 193,760# 20/40 mesh sd. Spearheaded w/2000 gals 15% HCl. Fm broke @ 2500#. Trtd w/acid @ 10 BPM, 1100# dwn csg. Frac'd as follows:

Gals	SD CONC	BPM	Press #
11,000	Pad	62	2500
15,000	2#/gal (100 mesh)	60	2250
30,000	1#/gal (20/40)	60	2300
25,000	2#/gal (20/40)	60	2150
20,000	3#/gal (20/40)	60	2200
13,440	4#/gal (20/40)	60	2350

Ran out of wtr, didn't pmp 5#/gal.

Gals	SD Conc	BPM	Press#
5,800	Flush	60	2300

ISIP 1000#; 5 min SIP 1000#; 15 min SIP 1000#; Avg trt 60 BPM, 2300#. Max trtg 62 BPM, 2500#; SI - WO gel to break. 6:00 a.m. CP 690#.

2-1-80 7483 TD - CO sd @ 7407'. SI for frac gel to break. Flwg well to pit. IP 450#, decr to 0#. TIH w/4-3/4" bit, bit sub & float & 207 jts, 2-3/8 EUE tbg. Tagged up on sd @ 6310'. RU to drl. CO sd 6310-25'. Drld BP @ 6325'. Circ hole clean. Continue in hole w/2-3/8" tbg. Tagged sd @ 6400'. CO sd 6400-40'. Drld BP @ 6440'. Circ hole clean. Cont in hole w/tbg. Tagged sd @ 7407'. Drlg on BP debris.

2-2-80 7442 PB - Flwg well to tst tank. Clenaed out sd 7407-7442' PB & circ clean & POH. Ran 234 jts 2-3/8" OD 8 Rd, EUE 4.7# J-55 tbg. w/API SN 1 jt above btm & landed tbg @ 7137' RKB. Removed BOP & NU wellhead. Pmpd out pmp out plug. RU & swbd to tst tank 12 hrs. Rec'd 356 BLW. CP increased f/0 to 120#. Final swb rate 30 BPH. w/ final FL 2000'. Well started flwg @ 4:00 a.m. Flwd to tank for 2 hours. Rec'd 49 bbl w/trace of oil. Total rec'd 405 bbl w/6646 left to recover.

2-3-80 7442 PB - Cont to flow well to clean up frac fluids. 11 hrs., Flowed thru 2" line to tst tanks w/CHP 150# decreasing to 125# & then increased to 150# @ avg. rate w/41 bbls per hr. Rec'd fluid was very gassy w/sli tr of oil. Flwd thru 3/4" chk to tst tank w/CHP increased f/150# to 650# w/fluid very gassy & showing a tr of oil. Avg rate was 23 bbls/hr. During last 24 hrs, rec'd 828 bbls of frac fluid w/5818 bbls yet to be recovered.

2-4-80 7442 PB - Flwg to circ pit for frac clean-up. Flwg thru 3/4" chk. CP decreased f/650# to 625#. Frac wtr very gassy w/tr of oil. Rate - 23 bbls per hr. Flwg thru open 2" line to circ pit. CP increased f/625# to 975# & then decreased to 810#. Rec'd fluid, very gas cut wtr & 3% oil. Total rec'd last 24 hrs - 447 bbls frac wtr. Frac wtr yet to recover 5371 bbls.

2-5-80 7442 PB - RU to swb. Flwg to tst tank. CP decreased from 810# to 750#. Fluid recovery rate decreased 15 bbls/hr. to 6 bbls/hr. Fluid 1%-3% emulsified oil, very gassy. Load rec'd last 24 hrs, 247 bbls load wtr. Load yet to rec. over 5124 bbls.

2-6-80 7442 PB - Swbg & flwg. to tst tank. Swbg & flwg. 1 swb run per hr. CP 640#-750#. Flu rec milky, viscous, heavy gas cut wtr w/oil emulsion. Est 1%-3% oil. Last 24 hrs rec 346 bbls load wtr. Load wtr yet to recover 4778 bbls.

-7-80	7442	PB - Swbg & flwg to test tank. Making 1-2 runs/hr w/swb. CP 650#-450#, Rec 375 bbls load wtr 1%-3% emulsified oil. Load yet to rec 4403 bbls.
-8-80	7442	PB - Swb & flwg. CP 475#-500#. Rec 257 bbls load wtr - 20 bbls emulsified oil. Load yet to rec 4146 bbls.
-9-80	7442	PB - Swbg & flwg. In 24 hrs. swbg & flwg w/CP 475#-500#. Rec 218 bbls load wtr w/3-4% oil. Last 6 hrs flows 15-20 min then dies after each swb run. Rec is heavy clobbered up brown emulsion. Gas show has decreased. Load to rec is 3928 bbls.
-10-80	7442	PB - In 24 hrs flwg to tst tank on full opn 2" line, avg CP 350#, rec 107 BF (85 BO & 22 BW). Rate 4.5 BPH w/good gas show. Load to rec 3906 bbl. To try flow thru prod unit & equip today.
-11-80	7442	PB - SI. WO pmpg unit. Flwg thru 2" open pipe to tst tank. CP 350#. Rec 15 bbls (80% oil & 20% wtr). Tried to flow thru separator w/30# back press. No production. CP increased to 425#. Flwg to tst tank thru open 2" CP 325#. Rec 71 bbls (80% oil & 20% wtr). Shut well in. (Drop f/report until set pmpg unit.)
2-25-80	7442	PB - <u>COMPLETED OIL WELL</u> 2/21/80, Gallup/Dakota fm, Tst date 2/21/80. Flwg thru adj chk. On 24 hr tst 73 BOPD, 20 BWPD, 402 MCFD f/Dakota perfs 7245'-7315' & f/Gallup perfs 6357'-6411' & 6197'-6301'. TP 250#, CP 900#. Oil gray 45.8°. API @ 60° F; GOR 5507:1; LPP 7315'. DROPPED F/REPORT OF 2/11/80.