STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

CONFIDENTIAL

Form C-122
Revised 10-1-78

RECEIVED
SEP 15 1987
OIL CON. DIV.
DIST. 3

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Type Test: ☒ Initial ☐ Annual ☐ Special			Test Date: 9/8/87	
Company: Robert L. Bayless		Connection: none		
Pool: Undesignated Pictured Cliffs Undesignated Mesa Verde Undesignated Gallup		Formation: Pictured Cliffs, Mesa Verde, Gallup		Unit
Completion Date: 8/16/87	Total Depth: 8370	Plug Back TD: 8341	Elevation: 7205 GL	Farm or Lease Name: JIC 492
Csg. Size: 7" / Wt.: 23# / d: 6.366" / Set At: 8358		Perforations: From 3508 To 7440		Well No.: 1
Tbg. Size: 2 3/8" / Wt.: 4.7# / d: 2.375" / Set At: 7434		Perforations: From To		Unit: P / Sec.: 28 / Twp.: 28N / Rge.: 2W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: G.G. Multiple		Packer Set At: none		County: Rio Arriba
Producing Thru: annulus	Reservoir Temp. °F:	Mean Annual Temp. °F:	Baro. Press. – P_a: 12.0 (est)	State: New Mexico

L	H	Cg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
		.65 (est.)						

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	23 days				0		1405		
1.	2" x .750"				0		672	65°	3 hrs.
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		684	.9952	.9608	1.052	8508
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 1417 P_c^2 2,007,889

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		688	473,287	1534602
2				
3		(calculated)		
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3084$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2234$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 10,408^*$

Absolute Open Flow 10,408* Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: *tubing was logged off with water - test taken through casing - tubing annulus- slight mist of fluid throughout test - test is meaningless.

Approved By Division	Conducted By:	Calculated By:	Checked By:
	David Ball	Kevin McCord	

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR: Robert L. Bayless

3. ADDRESS OF OPERATOR: P.O. Box 168, Farmington, NM 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 900'FSL & 790'FEL

5. LEASE DESIGNATION AND SERIAL NO.: Jicarilla Contract 492

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Jicarilla Apache

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Jicarilla 492

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 28-T28N-R2W

12. COUNTY OR PARISH: Rio Arriba | 13. STATE: NM

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	X	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	X	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐				
(Other)				(Other)			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See Attached Report

RECEIVED
AUG 25 1987
OIL CON. DIV.
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED Kevin H. McCord TITLE Petroleum Engineer DATE August 20, 1987
Kevin H. McCord

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE ~~ACCEPTED FOR RECORD~~ AUG 21 1987

CONDITIONS OF APPROVAL, IF ANY:

FARMINGTON RESOURCE AREA
BY Shirley

*See Instructions on Reverse Side

NMOCC

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the [illegible] representations as to any matter within its jurisdiction.

ROBERT L. BAYLESS
Jicarilla 492 #1
Sec. 28-T28N-R2W
900'FSL & 790'FEL
Rio Arriba County, NM

MORNING REPORT

7-30-87 Shutin casing pressure 1610 psi (Pt. Lookout) - no tubing pressure taken. Opened well to atmosphere - well made mist of water and oil. Casing pressure was 750 psi after 30 minutes of flow and 700 psi after 1 hour of flow. Shut well in.

8-03-87 Move in and rig up Bayless Rig 6. Dig production pit. Blow down well. Nipple down wellhead and nipple up BOP. Trip 2-7/8" tubing out of hole. Pick up 6-1/8" bit and casing scraper. Trip in hole with tubing. Leave bit 10 stands off bottom. Shut down for night.

8-04-87 Finish trip in hole with bit and casing scraper. Attempt to circulate. Pumped 410 bbls water (hole capacity = 231 bbls). Slight return at flow line, less than 1". Trip tubing, bit and scraper out of hole. Unload 2-3/8" tubing onto racks. Shut down for night.

8-05-87 Run sandline drill. Make ± 15 runs. Recovering sand on most runs. Cannot get to bridge plug. Clean out approximately 20 ft. of formation sand. Shut down for night.

8-06-87 Rig up Western Company nitrogen to mist drill. Clean out sand and start drilling on bridge plug. Drill approximately 20 inches. Open bypass on bridge plug. Well came in. Let blow overnight. Used 316,900 ft^3 of nitrogen to drill plug.

8-07-87 Well blown down partially. Tag plug. Drill on plug with well unloading. Follow plug to TD of 7500 ft. Trip out of hole with 2-7/8". Lay down 2-7/8" on float, recovered 185 jts. (5984.61 ft). Set retrievable bridge plug at 4000 ft. Pressure test casing to 2400 psi for 15 minutes. Pressure held. Shut down for night.

8-10-87 Rig up Basin Perforators to perforate P.C. Run #1 perf, 3550-3570' with 2 JSPF (40 shots). Run #2 perf 3508-3534 with 2 JSPF (52 holes). Pick up Baker fullbore packer and 2-3/8" tubing in hole to 3570 feet RKB. Shut down for night.

8-11-87 Rigged up the Western Company. Spotted 250 gallons of 7-1/2% DI HCL acid across perforation interval. Moved and set packer at 3299 ft. RKB. Broke down Pictured Cliffs perforations immediately. Established injection rate of 6.8 BPM @ 2500 psi. ISIP = 300 psi - Acidized Pictured Cliffs interval with 250 gallons of 7-1/2% DI HCL weighted acid containing 138 1.1 s.g. RCN ball sealers - 5.6 BPM @ 1700 psi. Saw 50 psi increase when balls hit perforations. Saw no ball action, no balloff -

final injection rate 5.5 BPM @ 1750 psi. Moved packer below perforations to knock off ball sealers. Blow well dry with nitrogen. Trip tubing and packer out of hole. Fracture stimulated Pictured Cliffs interval with 45,000 gallons of 70 quality foam containing 60,000 lbs. of 20-40 sand as follows:

10,000 gal of 70 quality foam pad	30 BPM @ 1300 psi
10,000 gal of 1 ppg 20-40 sand	30 BPM @ 1350 psi
25,000 gal of 2 ppg 20-40 sand	30 BPM @ 1250 psi
5,790 gal of 70 quality foam pad	30 BPM @ 1350 psi

(all water contained 2% KCL and 1/2 gal/1000 clay stabilization agent) ISIP = 1350 psi 5 min = 1300 psi 10 min = 1250 psi 15 min = 1250 psi Average Rate - 30 BPM Average Pressure - 1300 psi Maximum Pressure - 1400 psi Minimum Pressure - 1200 psi Nitrogen pump rate - 14,150 SCF/Min Total nitrogen pumped with blowdown - 719,580 SCF Total fluid to recover - 347 bbls. Shut well in overnight.

8-12-87 Opened well to flow through 1/4" choke, annulus pressure 1100 psi (990 test). Well had 880 psi flowing pressure at 5:00 pm. Well flowing to clean up.

8-13-87 Well flowing to clean up.

8-14-87 Well flowing this morning. Killed well and tripped in hole. Tagged sand fill. Cleaned out sand fill (152 ft) with water and air. Released bridge plug and let well blow down. Shut down for night.

8-15-87 Pulled 6 stands of tubing. Well started flowing very hard. Bridge plug hadn't let gas escape. Let well blow down. Shut down for night.

8-16-87 Pulled remaining tubing out of hole. Found 6 joints corkscrewed and bridge plug was damaged. Tripped in hole with 2-3/8" tubing and tagged sand fill at 7506 ft. RKB (62 ft. of rathole). Moved tubing up and landed tubing as follows:

DESCRIPTION	LENGTH	DEPTH
KB to landing point	8.80	0-9'
243 Jts, 2-3/8", 4.7#/Ft, EUE Used tubing	7396.53	9-7405'
Seating Nipple	.75	7405-7406'
1 jt, 2/38" tubing	28.20	7406-7434'
	7434.28	

Nipple down wellhead and nipple up BOP. Shut in well. Released Rig.

Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

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

FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO

5. LEASE DESIGNATION AND SERIAL NO.: Jicarilla Contract #492

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Jicarilla Apache

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Jicarilla 492

9. WELL NO.: 1

2. NAME OF OPERATOR: Robert L. Bayless

3. ADDRESS OF OPERATOR: PO Box 168 Farmington, NM 87499

10. FIELD AND POOL, OR WILDCAT: Undesignated Pictured Cliffs

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 900' FSL & 790' FEL
At top prod. interval reported below: Same
At total depth: Same

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec 28 - T28N - R2W

SEP 2 8 1987
OIL CON. DIV.
DIST. 3

14. PERMIT NO. | DATE ISSUED

12. COUNTY OR PARISH: Rio Arriba | 13. STATE: NM

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
9/26/85	10/16/85	8/16/87	7205 G.L.	

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
8370	8341	3	→	XX	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 3508 - 3570 Pictured Cliffs

25. WAS DIRECTIONAL SURVEY MADE: no

26. TYPE ELECTRIC AND OTHER LOGS RUN: DIL, LDL, CNL, ML, Dip meter

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
9-5/8"	36#/ft	545	12-1/4"	413 ft^3 Class B	none
7	26 & 23#/ft	8358	8-3/4"	Stage 1: 512 ft^3 Class B	none
				Stage 2: 440 ft^3 Class B	
				Stage 3: 1197 ft^3 Class B	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
none				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	7434	none

31. PERFORATION RECORD (*Interval, size and number*): 3508 - 3570 .50" 52 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3508 - 3570	500 gal 7½% HCL - 45,000 gal of 70 quality foam containing 60,000 lbs. of 20/40 sand.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
none	SI - waiting on pipeline connection	SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/8/87	3	3/4"		0	255	trace	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
	672		0	2042	trace	

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

TEST WITNESSED BY: David Ball

35. LIST OF ATTACHMENTS

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

SIGNED [signature] TITLE Petroleum Engineer DATE 9/9/87 9/21/87) (amended

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

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.
Ojo Alamo	3189	3398	water
Fruitland	3398	3504	water
Pictured Cliffs	3504	3785	natural gas
Lewis	3785	5604	water
Cliffhouse	5604	5654	water
Menefee	5654	5864	water
Point Lookout	5864	6012	natural gas
Mancos	6012	6910	water
Gallup	6910	7909	natural gas
Greenhorn	7909	7975	water
Graneros	7975	8119	water
Dakota	8119	8365	water

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	3189	3189
Fruitland	3398	3398
Pictured Cliffs	3504	3504
Lewis	3785	3785
Cliffhouse	5604	5604
Menefee	5654	5654
Point Lookout	5864	5864
Mancos	6012	6012
Gallup	6910	6910
Greenhorn	7909	7909
Graneros	7975	7975
Dakota	8119	8119

Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: Jicarilla Contract #492

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Jicarilla Apache

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

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Jicarilla 492

2. NAME OF OPERATOR: Robert L. Bayless

9. WELL NO.: 1

3. ADDRESS OF OPERATOR: PO Box 168 Farmington, NM 87499

10. FIELD AND POOL, OR WILDCAT: Undesignated Mesa Verde

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 900' FSL & 790' FEL
At top prod. interval reported below: Same
At total depth: Same

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec 28 - T28N - R2W

SEP 28 1987
OIL CON. DIV.
DIST. 3

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
		Rio Arriba	NM

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
9/26/85	10/16/85	8/16/87	7205 G.L.	

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
8370	8341	3	→	XX	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 5830 - 6010 Mesa Verde

25. WAS DIRECTIONAL SURVEY MADE: no

26. TYPE ELECTRIC AND OTHER LOGS RUN: DIL, LDL, CNL, ML, Dip meter

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
9-5/8"	36#/ft	545	12-1/4"	413 ft^3 Class B	none
7	26 & 23#/ft	8358	8-3/4"	Stage 1: 512 ft^3 Class B	none
				Stage 2: 440 ft^3 Class B	
				Stage 3: 1197 ft^3 Class B	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
none				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	7434	none

31. PERFORATION RECORD (Interval, size and number): 5830 - 6010 .48" 560 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5830 - 6010	100,000 gal of 75 quality foam containing 125,000 lbs. of 20/40 sand.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
none	SI - waiting on pipeline connection	SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/8/87	3	3/4"		0	362	trace	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
	672		0	2893	trace	

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

TEST WITNESSED BY: David Ball

35. LIST OF ATTACHMENTS

ACCEPTED FOR RECORD

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

SIGNED [signature] TITLE Petroleum Engineer DATE 9/9/87 (amended 9/21/87)

FARMINGTON RESOURCE AREA

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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.
jo Alamo	3189	3398	water
:uitland	3398	3504	water
ictured Cliffs	3504	3785	natural gas
ewis	3785	5604	water
iffhouse	5604	5654	water
nefee	5654	5864	water
int Lookout	5864	6012	natural gas
ncos	6012	6910	water
llup	6910	7909	natural gas
eenhorn	7909	7975	water
aneros	7975	8119	water
kota	8119	8365	water

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	3189	3189
Fruitland	3398	3398
Pictured Cliffs	3504	3504
Lewis	3785	3785
Cliffhouse	5604	5604
Menefee	5654	5654
Point Lookout	5864	5864
Mancos	6012	6012
Gallup	6910	6910
Greenhorn	7909	7909
Graneros	7975	7975
Dakota	8119	8119

Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: Jicarilla Contract #492
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Jicarilla Apache
7. UNIT AGREEMENT NAME:
8. FARM OR LEASE NAME: Jicarilla 492
9. WELL NO.: 1
10. FIELD AND POOL, OR WILDCAT: Undesignated Gallup
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec 28 - T28N - R2W

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

FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO

2. NAME OF OPERATOR: Robert L. Bayless
3. ADDRESS OF OPERATOR: PO Box 168 Farmington, NM 87499
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: 900' FSL & 790' FEL
At top prod. interval reported below: Same
At total depth: Same

SEP 28 1987
OIL CON. DIV.

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
		Rio Arriba	NM

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
9/26/85	10/16/85	8/16/87	7205 G.L.	

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
8370	8341	3	→	XX	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 6910 - 7440 Gallup
25. WAS DIRECTIONAL SURVEY MADE: no
26. TYPE ELECTRIC AND OTHER LOGS RUN: DIL, LDL, CNL, ML, Dip meter
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
9-5/8"	36#/ft	545	12-1/4"	413 ft^3 Class B	none
7	26 & 23#/ft	8358	8-3/4"	Stage 1: 512 ft^3 Class B	none
				Stage 2: 440 ft^3 Class B	
				Stage 3: 1197 ft^3 Class B	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
none				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8"	7434	none

31. PERFORATION RECORD (Interval, size and number): 6910 - 7440 .50" 530 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6910 - 7440	270,000 gal of 30# crosslinked gel containing 440,000 lbs. of 20/40 sand.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
none	SI - waiting on pipeline connection	SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9/8/87	3	3/4"		0	447	trace	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
	672		0	3573	trace	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): vented
TEST WITNESSED BY: David Ball

35. LIST OF ATTACHMENTS

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

SIGNED [signature] TITLE Petroleum Engineer DATE 9/9/87 (amended 9/21/87)

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

NMOCD

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.
Ojo Alamo	3189	3398	water
Fruitland	3398	3504	water
Pictured Cliffs	3504	3785	natural gas
Lewis	3785	5604	water
Cliffhouse	5604	5654	water
Menefee	5654	5864	water
Point Lookout	5864	6012	natural gas
Mancos	6012	6910	water
Gallup	6910	7909	natural gas
Greenhorn	7909	7975	water
Graneros	7975	8119	water
Dakota	8119	8365	water

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	3189	3189
Fruitland	3398	3398
Pictured Cliffs	3504	3504
Lewis	3785	3785
Cliffhouse	5604	5604
Menefee	5654	5654
Point Lookout	5864	5864
Mancos	6012	6012
Gallup	6910	6910
Greenhorn	7909	7909
Graneros	7975	7975
Dakota	8119	8119

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

November 6, 1987

Administrative Order No. DHC-679

RECEIVED
NOV 17 1987
OIL CON. DIV.,
DIST. 3

Robert L. Bayless
P.O. Box 168
Farmington, NM 87499

Attention: Kevin H. McCord

Re: Jicarilla "492" Well No. 1
Unit P, Section 28, Township 28 North,
Range 2 West, NMPM, Rio Arriba County,
New Mexico.
Undesignated Pictured Cliffs, Mesaverde and
Gallup Pools

Gentlemen:

Reference is made to your recent application for an exception to Rule 303-A of the Division Rules and Regulations to permit the subject well to commingle the production from all three pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303-C, and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the zones is hereby placed in abeyance.

In accordance with the provisions of Rule 303.C.4., total commingled oil production from the subject well shall not exceed 50 barrels per day, and total water production from the well shall not exceed 100 barrels per day. The maximum amount of gas which may be produced daily from the well shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated pool as printed in the Division's San Juan Basin Gas Proration Schedule.

Assignment of allowable to the well and allocation of production from the well shall be on the following basis:

Pictured Cliffs Pool:	Oil	0%, Gas 24%
Mesaverde Pool:	Oil	0%, Gas 34%
Gallup Pool:	Oil	100%, Gas 42%

Pursuant to Rule 303-C 5, the commingled authority granted by this order may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Very truly yours,

WILLIAM J. LeMAY,
Director

cc: Gas Co. of N.M.
OCD District Office - Aztec