N-33-28-8

STATE OF NEW MEXICO
ENERGY and MINERALS DEPARTMENT

Location of Well: N332808 Page 1

OIL CONSERVATION DIVISION
NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator: AMOCO PRODUCTION COMPANY Lease/Well #:BOLACK B LS 003
Meter #:72049 RTU: - - County:SAN JUAN

	NAME RESERVOIR OR POOL	TYPE PROD	METHOD PROD	MEDIUM PROD
UPR COMP	BOLACK B LS 003 SBPC 72049	GAS	FLOW	TBG
LWR COMP	BOLACK B LS 003 BMV 72048	GAS	FLOW	TBG

PRE-FLOW SHUT-IN PRESSURE DATA

	Hour/Date Shut-In	Length of Time Shut-In	SI Press. PSIG	Stabilzed
UPR COMP	08/~~14~~17/95 17	72 HRS	170	Y
LWR COMP	08/~~14~~17/95 17	72 HRS	301	Y

FLOW TEST DATE NO.1

Commenced at (hour,date)* Zone Producing (Upr/Lwr)

TIME (hour, date)	LAPSED TIME SINCE*	PRESSURE Upper	PRESSURE Lower	Prod Temp.	REMARKS
		TBG Casing	TBG		
08/~~14~~17/95 10:AM 18	Day 1	125 125	255		Both Zones SI
08/~~15~~18/95 19	Day 2	148 148	283		Both Zones SI
08/~~16~~19/95 20	Day 3	161 161	297		Both Zones SI
08/~~17~~20/95 21	Day 4	170 170	301		Flow Lower Zone
08/~~18~~21/95 22	Day 5	172 172	233		" " "
08/~~19~~22/95 23	Day 6	172 172	215		" " "

Production rate during test
Oil:_____ BOPD based on _____ BBLs in _____ Hrs _____ Grav___ GOR ___
Gas:_____ MFCPD:Tested theu (Orifice or Meter):METER

MID-TEST SHUT-IN PRESSURE DATA

	Hour,Date SI	Length of Time SI	SI Press. PSIG	Stabilized (yes/no)
UPR COMP				
LWR COMP				

(Continue on reverse side)

SO. LARGO -48

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DIST. 3

FLOW TEST NO. 2

Commenced at (hour, date) * *

TIME (hour, date)	LAPSED TIME SINCE * *	PRESSURE		Zone producing (Upper or Lower)	
		Upper Completion	Lower Completion	PROD. ZONE TEMP.	REMARKS

duction rate during test

Oil: _____ BOPD based on _____ Bbls. in _____ Hours. _____ Grav. _____ GOR _____

Gas: _____ MCFPD: Tested thru (Orifice or Meter): _____

Remarks: _____

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved Johnny Robinson 19 95
New Mexico Oil Conservation Division
SEP 06 1995
DEPUTY OIL & GAS INSPECTOR

By _____

Title _____

Operator Amoco Production Company

By Sheri Bradshaw

Title Field Tech

Date 8/30/95

NORTHWEST NEW MEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.

2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.

3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized, provided however, that they need not remain shut-in more than seven days.

4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued for seven days in the case of a gas well and for 24 hours in the case of an oil well. Note: if, on an initial packer leakage test, a gas well is being flowed to the atmosphere due to the lack of a pipeline connection the flow period shall be three hours.

5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except that the previously produced zone shall remain shut-in while the zone which was previously shut-in is produced.

7. Pressures for gas-zone tests must be measured on each zone with a deadweight pressure gauge at time intervals as follows: 3 hours tests: immediately prior to the beginning of each flow-period, at fifteen-minute intervals during the first hour thereof, and at hourly intervals thereafter, including one pressure measurement immediately prior to the conclusion of each flow period. 7-day tests: immediately prior to the beginning of each flow period, at least one time during each flow period (at approximately the midway point) and immediately prior to the conclusion of each flow period. Other pressures may be taken as desired, or may be requested on wells which have previously shown questionable test data.

24-hour oil zone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges the accuracy of which must be checked at least twice, once at the beginning and once at the end of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the recording gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the gas zone.

8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the Aztec District Office of the New Mexico Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form Revised 10-01-78 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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96 SEP 25 PM 1:01
070 FARMINGTON, NM

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT - " for such proposals

5. Lease Designation and Serial No.
NM-012202

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
Bolack B LS 3

2. Name of Operator
Amoco Production Company

Attention:
Pat Archuleta, Room 1205C

9. API Well No.
3004506946

3. Address and Telephone No.
P.O. Box 800, Denver, Colorado 80201

(303) 830-5217

10. Field and Pool, or Exploratory Area
So. Blanco -PC/Blanco Mesaverde

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
790' FSL 2200FWL Sec. 33 T 28N R 8W Unit N

11. County or Parish, State
San Juan New Mexico

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☒ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other DHC	☐ Dispose Water

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

13. 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.)*

Amoco Productioin Company requests permission to reperf and downhole commingle this well per the attached procedures.

If you have any technical questions please contact Mark Rothenberg at (303) 830-5612.

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DIST. 3

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

Signed Pat Archuleta Title Clerk Date 09-20-1996

(This space for Federal or State office use)

APPROVED

Approved by _____ Title _____ SEP 25 1996

Conditions of approval, if any:

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.

NMOCD

DISTRICT MANAGER

* See Instructions on Reverse Side

Suggested Procedures:

1. Contact Federal or State agency prior to starting repair work.

2. Install and/or test anchors on location.

3. MIRUSU. Check and record tubing, casing and bradenhead pressures. Blow down well and kill well, if necessary, with 2% KCL water. ND wellhead. NU and pressure test BOP's.

4. Circulate hole clean above packer through short string if possible and trip and tally out of hole with tubing, checking condition of tubing. Inspect tubing for scale, holes, and/or crimping. Lay down short string.

5. Trip and tally out of hole with long string and seal assemble (if unable to circulate through short sting, then perforate joint above packer and circulate fluid off packer before tripping out of hole). Check condition of tubing and replace perforated and bad joints as needed. (REPLACE ALL PERFORATED JOINTS, RUBBER COATED JOINTS, AND REMOVE GARRETT SLEEVE AND DOWNHOLE CHOKE).

6. Attempt to retrieve packer. If packer will not release, run in hole with mill or metal muncher and drill out packer.

7. Run in hole with 7 5/8" RBP and Packer. Set RBP at 2150' and pressure test casing to 500#. Isolate any leaks in 7 5/8" casing, report, and wait for CBL before repairing.

8. Trip out of hole with RBP and Packer. Trip in hole with 5.5" RBP and Packer. Set RBP at 4085' and pressure test liner to 500#. Isolate any leaks in 5.5" liner, report, and wait for CBL before repairing.

9. Test plug to appropriate pressure for upcoming frac (use packer) and run CBL\CCL\GR from RBP to TOL (if casing leaks were found in 7 5/8" casing then run CBL to surface). Based on CBL and isolation tests, perform any remedial cementing to ensure frac containment and zonal isolation (If only csg leaks in 7 5/8" casing need repair, cementing can be delayed until after the frac.)

10. Correlate to Schlumberger Gamma Ray Induction log dated 10/20/57 and RIH with perforating gun and perforate the following intervals with select fire shots at:

    3605', 3740', 3747', 3827', 3834', 3837', 3840', 3842'
    3947', 3959', 3968', 3996', 4039', 4071', 4078'

11. RIH with frac string and packer. Set packer at approx. 3200' and frac CH/MN according to attached frac procedure.

12. Flow well back as soon as possible on a 1/4" choke for 4-8 hours, then change out to a 1/2" choke until pressure and sand production subsides.

13. TOH with frac string and packer and RIH and retrieve RBP. TOH with RBP and RIH with production string. Alternate cleaning out sand and flowing well back until sand production has stopped and all fill has been cleaned out.

14. RIH with 2 3/8" tubing and land tubing at 4450', 1/2 mule shoe on bottom and SN 1 joint off bottom. Flow well overnight after final clean out and record gas, water, and oil rates and take final gas samples.

15. Rig down and move off service unit.

If problems are encountered, please contact:
MARK ROTHENBERG
(W) (303) 830-5612
(H) (303) 841-8503
(P) (303) 553-6448

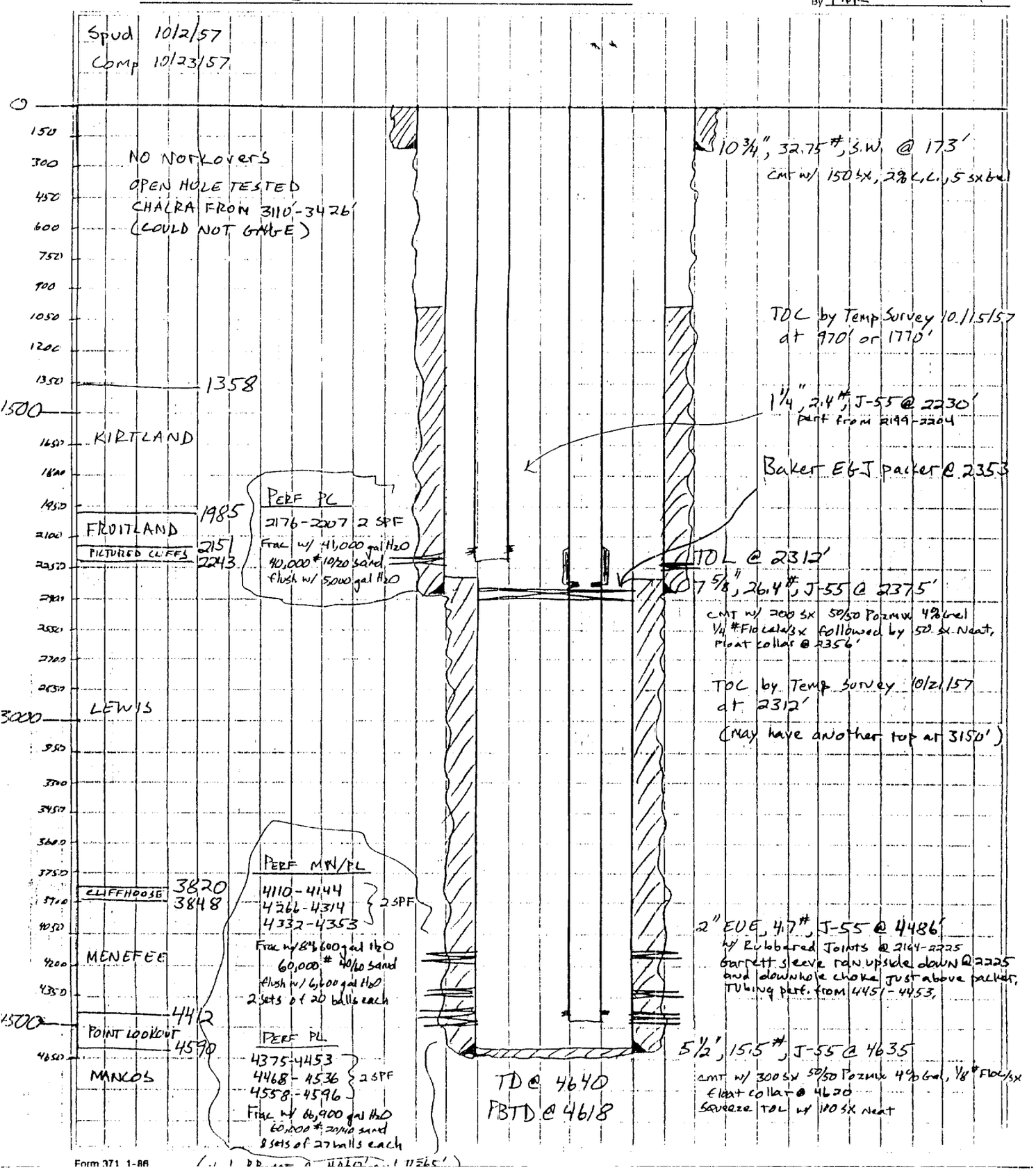
Amoco Production Company

ENGINEERING CHART

Sheet No. Of
File
Appn
Date 9/18/96
By MDR

SUBJECT BOLACK B LS 3 3004506946 00

790' FSL x 2200' FWL N 33-28N-8W FED LEASE NM 012202



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