

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

RECEIVED
BLM

95 JUL -5 PM 12:4
070 FARMINGTON, NM

5. Lease Designation and Serial No.

SF-080917

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Atlantic B LS 4

9. API Well No.

3004509855

10. Field and Pool, or Exploratory Area

Blanco Mesaverde

11. County or Parish, State

San Juan New Mexico

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Amoco Production Company

Attention:

Patty Haeefe

3. Address and Telephone No.

P.O. Box 800, Denver, CO 80201 (303) 830-4988

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1650' FSL 1450' FWL Sec. 5 T 30N R 10W Unit K

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

TYPE OF SUBMISSION

TYPE OF ACTION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Clarification of Plans

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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 Production Company intends to sidetrack this well by deviating in an undetermined direction for purposes of "blind" sidetracking the existing open hole Mesaverde well. Please reference NOI dated 2/9/96 and approved 2/14/96.

Also attached is Amoco's revised "Plan of Existing Well Pad and Proposed Enlargement for Re-entry" for the proposed sidetrack approved on 2/14/96.

RECEIVED
JUL 11 1996

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

OIL CON. I
DIST. 3

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

Signed

Patty Haeefe

Title

Staff Assistant

APPROVED

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

JUL 05 1996

DISTRICT MANAGER

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 statement or representation as to any matter within its jurisdiction.

NMOCD

Atlantic "B" LS #4

1,650' FSL, 1,450' FWL Sect. 5, 30N, 10W
San Juan County, New Mexico

Sidetrack Procedures

07/03/96
(revised)

PREPARATION

***Note--8 joints 7" 26# Casing run-
may have gage joint on top!!!!!!***

1. MIRUSU complete with 3.5 power swivel, circulating equipment and rental string of 2.875" drill pipe or Hydril PH-6 tubing and 6-3.750" drill collars. Ensure that the drill pipe and collars have recent inspection papers.
2. Blow down well, ND tree, NUBOPS and pull 2.375" tubing. (Landed at 5,220'. May be stuck) If stuck, cut at 4,300' and lay down.
3. Pick up drill pipe and set CIBP at 4,250'. Circulate hole with fresh water. Mix and pump 25 sx Class "B" cement (neat) at 15.7 ppg and spot on top of bridge plug (100'+). POH.
4. Test casing to 750 psi. If test positive, proceed to **step 5**. If casing leaks, pick up RTTS packer and isolate hole(s).
5. Run CBL from 4,000' to top of cement (2,425' by TS). Check for good cement at KOP of 3,500' and check for cement below surface pipe at 175' to see if previous operators pumped down bradenhead. If no good cement is found at KOP, perforate, set retainer 100' above holes and squeeze with 100 sx of 50:50 Pozmix containing 0.4 % Halad 344, 0.25 #/sx flocele, and 5-10 #/sx Gilsonite and CAL-SEAL as recommended by Howco. Remainder of bradenhead work will depend on CBL and pressure tests.
6. If no bradenhead leaks or pressure observed and the casing has 750 psi integrity, proceed with next step. If repair work is required, obtain procedure from production engineer.
7. WOC, if necessary. NDBOPS, install casing spool above bradenhead to receive the 4.500" long string. NUBOPS.
8. Pick up 6.250" tooth bit with premium bearings, casing scraper and 6-3.750" drill collars on the drill pipe (tubing) and drill out cement and retainers. Test each perforated interval to 750 psi after drilling and re-squeeze with 100 sx cement if necessary. Re-run CBL if cement at KOP is questionable.
9. Set Smith Anchor-Stock whipstock at KOP. Mill window utilizing air/mist, reaming window sufficiently to run the necessary angle-building and stiff bottom hole assemblies without problem.
10. RDMOSU.

Atlantic "B LS #4

page 2

SIDETRACK

1. MIRURT complete with 3.500" drill string, air package and misting equipment. NUBOPS and test to 2,000 psi with third party tester on first well and every third well thereafter.
2. Pick up premium, gage protected, 6.125" TC bit (Smith diamond enhanced F37 DP) on angle assembly (bit, three point reamer in gage, 4.750" monel, 4.250" drill collar and undergage IBS). Cut curve as indicated on the attached program **monitoring the angle and direction with single shot surveys**. (The attached program is for the worst case, ie if the azimuth should be true North, the maximum offset to the edge of the legal drilling window is 200'. If the azimuth is in the 60-300 degree range, additional offset will be acceptable. Should the angle build too rapidly, pick up stiff bottom hole assembly with monel collar and rotate ahead to total measured depth (bit, gage three point reamer, 5.000" SDC, 1/4" under gage IBS, 30'-4.750" DC, 1/4" under gage IBS, 30'-4.750" DC. and another undergage IBS). Use monel if necessary and take single shot surveys every 150-200' to make certain that the angle or azimuth is not changing excessively (a final directional plot may be required at TMD by the NMOCD). Generally, the program is as follows.

KOP--	4,000' TVD
Orientation--	None
Curve--	1.5 degrees/100'
Maximum angle--	6-9 degrees (if azimuth is true North) if azimuth is other than true North, higher angle and additional offset (vertical section) is acceptable
Total depth--	5,350' TVD 5,360' TMD
3. Lay down the 3.500" drill string, run 4.500" used casing using a marker joint at 1,000' from bottom. Utilize stand-off bands (4.625" x 6.000") every second joint on the lower 20 joints and every third joint thereafter up to 100' inside the existing 7.000" casing.
4. Cement w/325 sx (60% excess) 50:50 Pozmix containing 2 % gel, 6 % salt, 0.4 % Halad 344, 0.25 #/sx flocele, 5 #/sx gilsonite. Pump 20 bbls water ahead, mix and pump cement at 13.5-14.0 ppg and displace with water. Utilize two wiper plugs (discuss w/ Howco--attempt to ensure that the cement is completely wiped from the casing to allow a rigless completion). This single stage job should bring cement at least 500' inside the 7.000" casing. Reciprocate the casing throughout the cement job, passing joints. Land casing in full tension. Run temperature survey 10-12 hours after bumping plug.

5. RDMORT.


Brad

07/03/96 9:50 AM

AMOCO PRODUCTION COMPANY
DRILLING AND COMPLETION PROGRAM

File No.:

AMOCO 4-24-52

Date:

7/2/58

Lease: Atlantic "B" LS Well No. #4
 County: San Juan, New Mexico Location: 1050' FSL, 1450' FWL Sect.5, 30N, 10W
 Former name: None Field: Basin Mesaverde 30 10

OBJECTIVE: Further exploit the Mesaverde.				
METHOD OF DRILLING		APPROXIMATE DEPTHS OF GEOLOGICAL MARKER		
TYPE OF TOOLS		Actual GL-----Estimated KB		
Rotary	DEPTH OF DRILLING KOP - TD		6107	6200
		Marker	True Vert Depth	Msd. Depth (ft.)
SPECIAL SURVEYS				SS Elev. (ft.)
TYPE	DEPTH	Ojo Alamo	1,408	4,801
NONE		Kirtland	1,521	4,088
		Fruitland*	2,534	3,075
		Pictured Cliffs*	2,837	3,372
		Lewis Shale	2,890	3,319
		Cliff House*	4,430	1,779
		Menefee	4,637	1,572
		Point Lookout	5,053	1,156
		Mancos		
		KOP	4,000	4,000
	REMARKS: Logs run as considered necessary. None anticipated		TOTAL DEPTH 5,350	
		#Probable completion * Possible pay		
		OJO ALAMO IS POSSIBLE USEABLE WATER		
SPECIAL TESTS		DRILL CUTTING SAMPLES		DRILLING TIME
TYPE	DEPTH INTERVAL, ETC	FREQUENCY	DEPTH	FREQUENCY
None		As penetration rate permi ICP	TD	Geolograph
REMARKS:		Remarks:		
		Mud Logging Program: None		
		Coring Program: None		

MUD PROGRAM:

Approx. Interval	Type Mud	Weight, #/gal	Vis, sec/qt.	W/L, cc's/30 min.
0-----SCP	None-Recompletion only			
SCP-----ICP	None-Recompletion only			
KOP-----TD	Air/Mist	111		

REMARKS:

An air/mist circulating medium will be used as necessary to remove steel cuttings and to protect air motors.

CASING PROGRAM:

Casing String	Estim	Estimated Depth	Casing Size	Hole Size	Landing Point, Cement, Etc
Conductor					
Surface	In place				
Intermediate	In place				
Production	5,360		4 1/2"	6 1/8"	1

REMARKS:

1. Production casing will be cemented back up into the 7.000" intermediate.

GENERAL REMARKS:

Well was drilled and completed in 1952. Will plug the existing open hole with CIDP set in 7.000" casing at 4,250' and 100' of Class "B" cement spotted on top (4,250'-4,150'). Casing will be tested, repaired if necessary and the upper water sands will be protected by circulating and for squeezing with cement. A whipstock will be set at -1-4,020' and the well redrilled into the Mancos.

Southern Rockies Engineering staff to design completion program.

Form 40 Reviewed by:

Logging program reviewed by:

PREPARED BY:

Kutes/bilyeu

Form 48 7-84bw


APPROVED:

For Production Dept

APPROVED:

For Exploration Dept.

Amoco Production Company									
Atlantic B LS #4									
1650' FNL, 1450' FWL									
Section 5, T30N, R10W									
San Juan County, New Mexico									
Proposed Directional Program									
Meas'd	Survey-----		Depth	North	East	Vert'l.	Closure-----		
Depth	Incl.	Direct'n.	TVD	-South	-West	Section	Distance	Direction	Dogleg
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4000	1.50	0.00	3999.54	52.36	0.00	-52.36	52.00	0.00	0.04
4100	3.00	0.00	4099.46	56.28	0.00	-56.28	56.00	0.00	1.50
4200	4.50	0.00	4199.25	62.82	0.00	-62.82	63.00	0.00	1.50
4300	6.00	0.00	4298.82	71.97	0.00	-71.97	72.00	0.00	1.50
4400	7.50	0.00	4398.13	83.73	0.00	-83.73	84.00	0.00	1.50
4500	9.00	0.00	4497.09	98.08	0.00	-98.08	98.00	0.00	1.50
4600	9.00	0.00	4595.86	113.72	0.00	-113.72	114.00	0.00	0.00
4700	9.00	0.00	4694.63	129.36	0.00	-129.36	129.00	0.00	0.00
4800	8.50	0.00	4793.46	144.57	0.00	-144.57	145.00	0.00	0.50
4900	7.50	0.00	4892.49	158.49	0.00	-158.49	158.00	0.00	1.00
5000	6.50	0.00	4991.74	170.68	0.00	-170.68	171.00	0.00	1.00
5100	5.50	0.00	5091.19	181.13	0.00	-181.13	181.00	0.00	1.00
5200	4.50	0.00	5190.81	189.85	0.00	-189.85	190.00	0.00	1.00
5300	4.00	0.00	5290.54	197.26	0.00	-197.26	197.00	0.00	0.50
5360	3.00	0.00	5350.42	200.92	0.00	-200.92	201.00	0.00	1.67

July 02, 1996


PLAN OF EXISTING WELL PAD AND PROPOSED ENLARGEMENT FOR RE-ENTRY

AMOCO PRODUCTION COMPANY

ATLANTIC B # 4

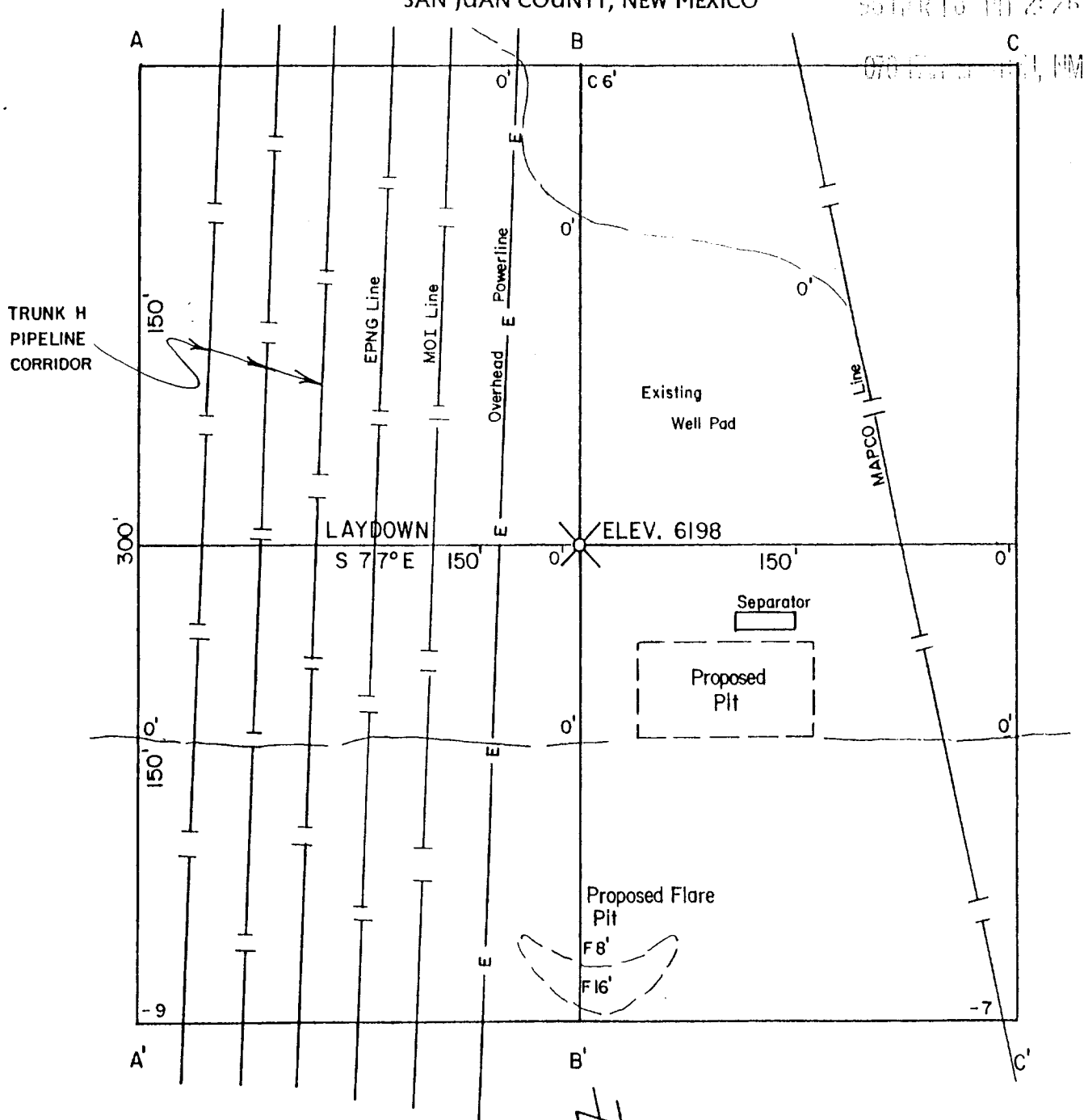
1660' F/SL 1450' F/WL

SEC. 5, T 30 N, R 10 W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

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BUREAU OF LAND MANAGEMENT

56 APR 18 PM 2:26



Revised: March 5, 1996

January 30, 1996

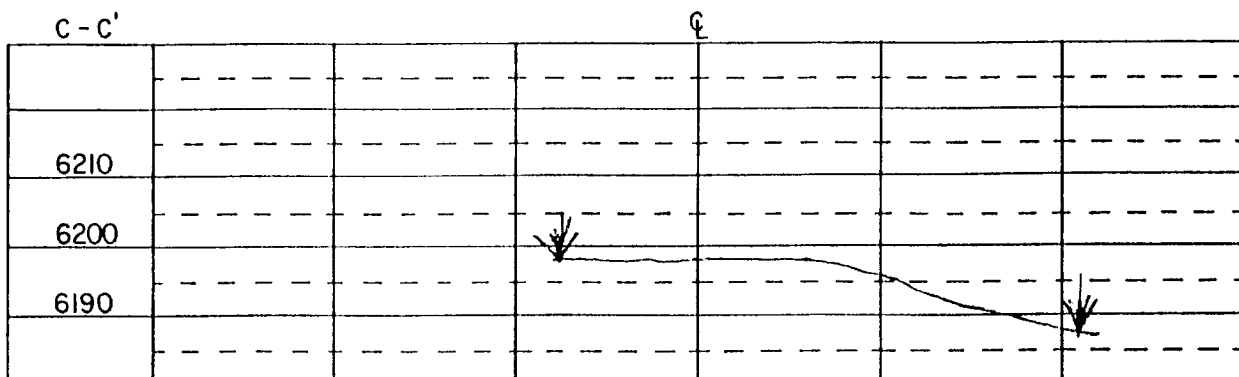
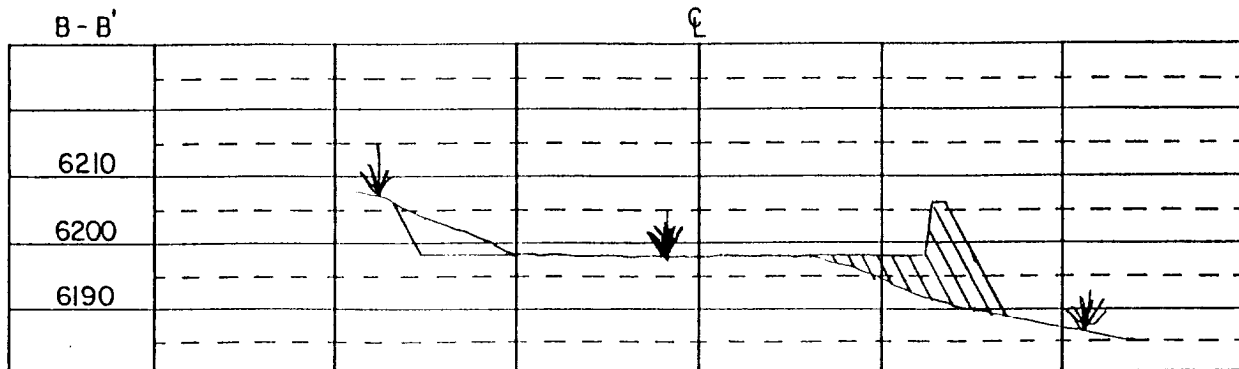
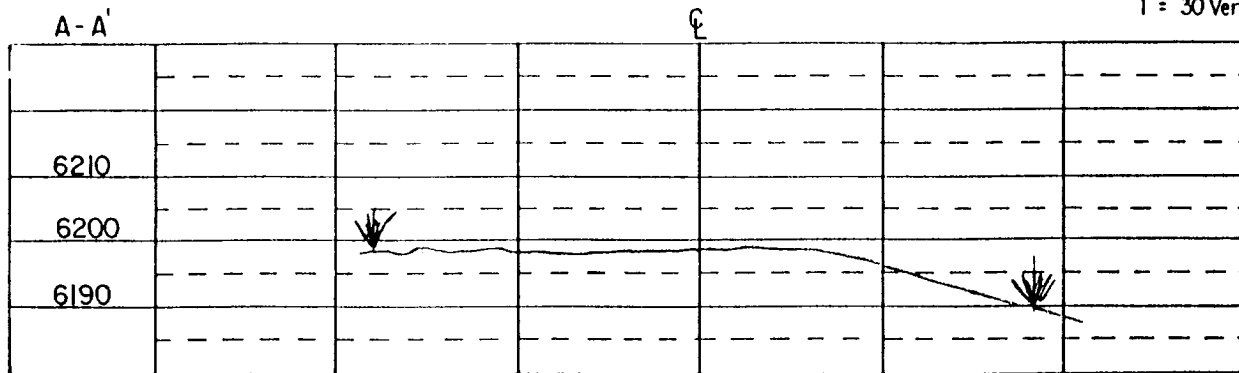
SCALE: 1" = 50'

NOTE: Contractor should call 1-800-321-2537 for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least 2 days prior to construction.

AMOCO PRODUCTION COMPANY
 ATLANTIC B # 4
 1660' F/SL 1450' F/WL
 SEC. 5, T 30 N, R 10 W, N.M.P.M.
 SAN JUAN COUNTY, NEW MEXICO

RECEIVED
 01/11/18 PM 2:26
 070100100001, NM

SCALE: 1" = 100' Horiz.
 1" = 30' Vert.





United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Farmington District Office
1235 La Plata Highway
Farmington, New Mexico 87401

IN REPLY REFER TO:

**Attachment to Notice of
Intention to Workover**

**Re: Workover
Well: 4 Atlantic B LS**

CONDITIONS OF APPROVAL

1. If bradenhead remedial cementing work is to be performed, the following intervals should be cemented: (TOC @ 2425', Top of Fruitland @ 2458')

A. Ojo Alamo (bottom @ 1515', top @ 1375') -- At a minimum, place a cement plug from 1565' to 1325' plus 100% excess cement in the 7.0" annular space.

D. Surface casing (set @ 175') -- Perforate at 225' and circulate cement to the surface.