State of New Mexico
Energy, Minerals and Natural Resources Department

New Mexico Oil Conservation Division approval and conditions listed below are made in accordance with OCD Rule 19.15.7.11 and are in addition to the actions approved by BLM on the following 3160-4 or 3160-5 form.

Operator Signature Date:

Application Type:

☒ P&A ☐ Drilling/Casing Change ☐ Recomplete/DHC

☐ Location Change ☐ Other: _____

Well information:

API WELL #	Well Name	Well #	Operator Name	Type	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
30-045-09050-00-00	MURPHY E	001	BURLINGTON RESOURCES OIL & GAS COMPANY LP	G	A	San Juan	F	A	34	30	N	11	W

Conditions of Approval:

Notify NMOCD 24hrs prior to beginning operations

Extend Kirtland down to 1103 feet

NMOCD Approved by Signature

3/17/14
Date

RECEIVED

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FEB 28 2014

Farmington Field Office

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2.*

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other	5. Lease Serial No. **SF-043260-B**
	6. If Indian, Allottee or Tribe Name
	7. If Unit of CA/Agreement, Name and/or No.
	8. Well Name and No. **MURPHY E #1**
2. Name of Operator **Burlington Resources Oil & Gas Company LP**	9. API Well No. **30-045-09050**
3a. Address **PO Box 4289, Farmington, NM 87499** / 3b. Phone No. (include area code) **(505) 326-9700**	10. Field and Pool or Exploratory Area **AZTEC PC**
4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* **Surface UNIT A (NENE), 990' FNL & 990' FEL, Sec. 34, T30N, R11W**	11. Country or Parish, State **San Juan , New Mexico**

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

TYPE OF SUBMISSION	TYPE OF ACTION			
[X] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Subsequent Report	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[ ] Other
	[ ] Change Plans	[X] Plug and Abandon	[ ] Temporarily Abandon	
[ ] Final Abandonment Notice	[ ] Convert to Injection	[ ] Plug Back	[ ] Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once Testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Burlington Resources Oil & Gas LP, requests permission to P&A the subject well per the attached procedure, current proposed wellbore schematics. The Pre-Distrubance site visit was held on 2/19/14 w/ Bob Switzer, BLM Representative. The Re-Vegetation plan is attached. A Closed Loop system will be utilized for this P&A.

RCVD MAR 7 '14
OIL CONS. DIV.
DIST. 3

Notify NMOCD 24 hrs prior to beginning operations

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*

Kenny Davis Title **STAFF REGULTORY TECHNICIAN**

Signature Date **2/28/2014**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by **Original Signed: Stephen Mason**	Title	Date **MAR 0 5 2014**
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

(Instruction on page 2)

NMOCD

ConocoPhillips

MURPHY E 1

Expense - P&A

Lat 36° 46' 23.952" N Long 107° 58' 19.812" W

PROCEDURE

This project requires the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.

1. Hold pre-job safety meeting. Comply with all NMOCD, BLM, and COPC safety and environmental regulations. Test rig anchors prior to moving in rig. **Before RU, run WL remove downhole equipment. If an obstruction is found, set a locking-3-slip-stop in the tubing.**

2. MIRU coiled tubing unit. Check casing, tubing, and bradenhead pressures and record them in Wellview. **If there is pressure on the BH, contact the Wells Engineer.**

3. Remove existing piping on casing valve. RU blow lines from casing valves and being blowing down casing pressure. Kill well as necessary. Ensure well is dead or on a vacuum.

4. ND wellhead, rig up coil spool to tubing stub, remove tubing slips, and NU BOPE. Pressure and function test BOP to 250 psi low and 1000 *psi over SICP high to a maximum of 2000 psi held and charted for 10 minutes as per COP Well Control Manual.*

5. TOOH with tubing (per pertinent data sheet).
Tubing size: 1-3/4" 1.91 ppf coiled tubing **Set Depth:** 2275 ftKB **KB:** 12 ft

6. Ensure well is dead. Nipple down BOPE equipment and nipple up wellhead. Rig down coiled tubing unit and move off location.

7. MIRU service rig. Check casing, tubing, and bradenhead pressures and record them in Wellview. **If there is pressure on the BH, contact the Wells Engineer.**

8. RU blow lines from casing valves and begin blowing down casing pressure. Kill well as necessary. Ensure well is dead or on a vacuum.

9. ND wellhead and NU BOPE. Pressure and function test BOP to 250 psi low and 1000 psi over SICP high to a maximum of 2000 psi held and charted for 10 minutes as per COP Well control Manual.

10. PU 1-1/4" work sting and 2-1/4" bit and watermelon mill and round trip as deep as possible above top perforation at 2272'. Be careful not to over torque tubing.

11. PU 2-7/8" CIBP on wireline, and set @ 2225'. TIH w/ Tubing. Pressure test tubing to 1000 psi by setting a tubing plug. Load hole, and pressure test casing to 800 psi. *If casing does not test, then spot or tag subsequent plugs as appropriate.* POOH w/ tubing.

12. Run CBL with 500 psi on casing from CIBP to surface to identify TOC. *Adjust plugs as necessary for new TOC.*

All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Class B mixed at 15.6 ppg with a 1.18 cf/sk yield.
13. Plug 1 (Pictured Cliffs Perforations and Pictured Cliffs and Fruitland Formation Tops, ~~1915~~-2225', ~~10~~ Sacks Class B Cement)
Mix cement as described above. Spot plug from 2225' to 1915' to isolate the Pictured Cliffs and Fruitland Coal formation tops and the Pictured Cliffs perforations. Pull out of hole. 1596

1064 850

14. Plug 2 (Ojo Alamo and Kirtland Formation Tops, ~~885~~-~~1400~~', 100 Sacks Class B Cement)
Rig up wireline. Perforate 3 holes at ~~1400~~ 1364' and pull out of hole. Establish injection rate. Pick up 2-7/8" cement retainer and set at 1050' pull out of hole. Pick up stinger, trip in hole with tubing, and sting into retainer. Squeeze 93 sacks of cement outside of casing and sting out of retainer. Leave 7 sacks of cement on top of bridge plug. Pull out of hole.

15. Plug 3 (Surface Shoe, 0-183', 71 Sacks Class B Cement)
Rig up wireline and perforate 4 big hole charge (if available) squeeze holes @ 183'. TOOH and RD wireline. Observe well for 30 minutes per BLM regulations. RU pump, close blind rams and establish circulation out bradenhead with water. Circulate BH clean. Pick up 2-7/8" CR and wireline set @ 133'. Pull out of hole with wireline. Pick up stinger, trip in hole with tubing, and sting into retainer. Mix 64 sx Class B cement and squeeze until good cement returns to surface out BH valve. Shut BH valve and squeeze to max 200 psi. Sting out of CR and reverse circulate cement out of tubing. TOOH and LD stinger. TIH with open ended tubing to 133'. Mix 7 sx Class B cement and pump inside plug. TOOH and LD Tubing. SI well and WOC.

16. Nipple down BOP and cut off casing below the casing flange. Install P&A marker with cement to comply with regulations. Rig down, move off location, cut off anchors, and restore location.

CURRENT SCHEMATIC

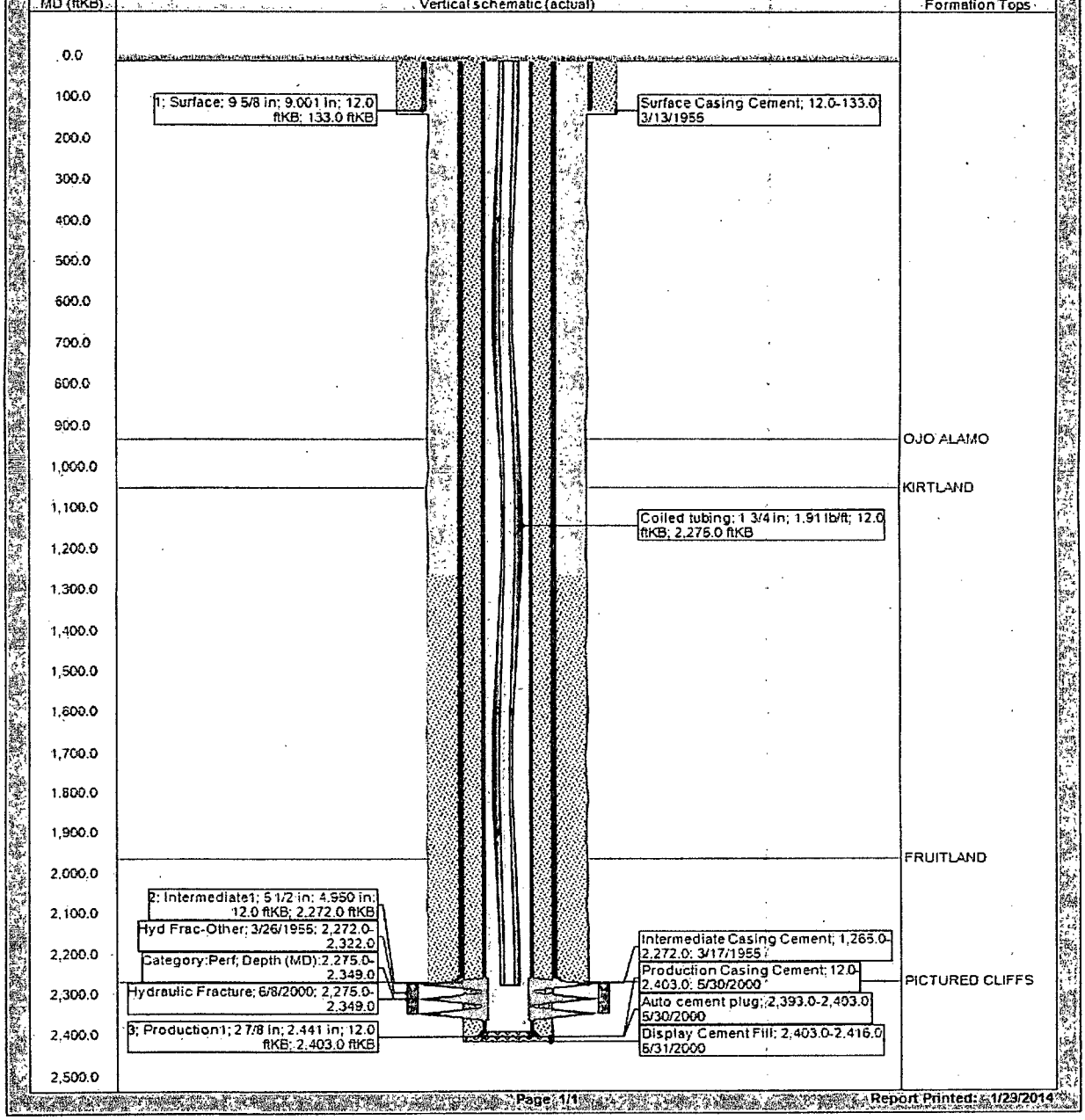
ConocoPhillips

MURPHY E #1

District	Field Name	API / UWI	County	State/Province
NORTH	AZTEC PICTURED CLIFFS (GAS)	3004509050	SAN JUAN	NEW MEXICO

Original Spud Date	Surface Legal Location	E/W Dist (ft)	E/W Ref	N/S Dist (ft)	N/S Ref
3/13/1955	034-030N-011W-A	990.00	E	990.00	N

Original Hole, 1/29/2014 8:05:34 AM



Report Printed: 1/29/2014

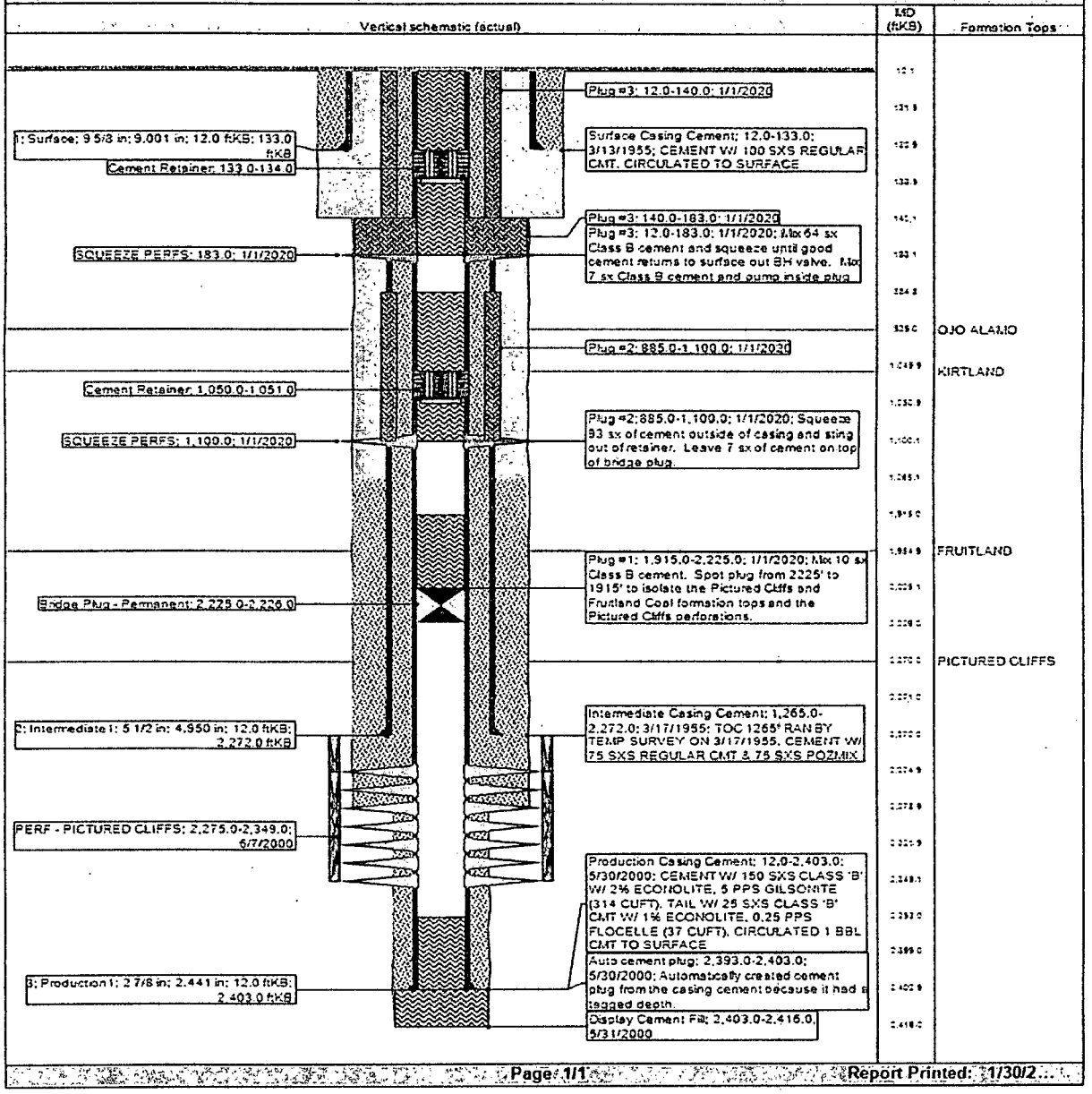
ConocoPhillips

Schematic - Proposed
MURPHY E #1

District	Field Name	API / UWI	County	State/Province
NORTH	AZTEC PICTURED CLIFFS (GAS)	3004509050	SAN JUAN	NEW MEXICO

Original Spud Date	Surf Loc	East/West Distance (ft)	East/West Reference	N/S Dist (ft)	North/South Reference
3/13/1955	034-030N-011W-A	990.00	E	990.00	N

Original Hole, 1/1/2020 2:45:00 AM



Pertinent Data Sheet

ConocoPhillips

Well Name: MURPHY E #1

API/UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004509050	034-030N-011W-A	AZTEC PICTURED CLIFFS (GAS)		NEW MEXICO	

Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
5,950.00	5,962.00	12.00	5,962.00	5,962.00

Latitude (°)	Longitude (°)	Original Spud Date
36° 46' 23.952" N	107° 58' 19.812" W	3/13/1955

PBTDs

Depth (ftKB)	Com

Formations

Formation Name	Final Top MD (ftKB)
OJO ALAMO	935.0
KIRTLAND	1,050.0
FRUITLAND	1,965.0
PICTURED CLIFFS	2,270.0

Casing Strings

Casing Description	Run Date	Set Depth (ftKB)	Comment
Surface	3/13/1955	133.0	

Item Des	OD Nominal (in)	Nominal ID (in)	Wt (lb/ft)	Grade	Jts	Section Length (ft)
Casing Joints	9 5/8	9.001	25.40	SW	3	120.00
Casing Shoe	9 5/8	9.001			1	1.00

Casing Description	Run Date	Set Depth (ftKB)	Comment
Intermediate1	3/17/1955	2,272.0	

Item Des	OD Nominal (in)	Nominal ID (in)	Wt (lb/ft)	Grade	Jts	Section Length (ft)
Casing Joints	5 1/2	4.950	15.50	J-55	71	2,259.00
Casing Shoe	5 1/2	4.950			1	1.00

Casing Description	Run Date	Set Depth (ftKB)	Comment
Production1	5/30/2000	2,403.0	

Item Des	OD Nominal (in)	Nominal ID (in)	Wt (lb/ft)	Grade	Jts	Section Length (ft)
Casing Joints	2 7/8	2.441	6.40	J-55	77	2,386.93
Casing Shoe	2 7/8	2.441			1	4.07

Cement

Des	Start Date	End Date	Com
Surface Casing Cement	3/13/1955		CEMENT W/ 100 SXS REGULAR CMT. CIRCULATED TO SURFACE
Intermediate Casing Cement	3/17/1955		TOC 1265' RAN BY TEMP SURVEY ON 3/17/1955. CEMENT W/ 75 SXS REGULAR CMT & 75 SXS POZMIX
Production Casing Cement	5/30/2000		CEMENT W/ 150 SXS CLASS 'B' W/ 2% ECONOLITE, 5 PPS GILSONITE (314 CUFT). TAIL W/ 25 SXS CLASS 'B' CMT W/ 1% ECONOLITE, 0.25 PPS FLOCELLE (37 CUFT). CIRCULATED 1 BBL CMT TO SURFACE
Display Cement Fill	5/31/2000		

Tubing - Coiled set at 2,275.0ftKB on 9/9/2000 00:00

Tubing Description	Run Date	Set Depth (ftKB)	Comment
Tubing - Coiled	9/9/2000	2,275.0	

Item Des	OD Nominal (in)	Nominal ID (in)	Wt (lb/ft)	Grade	Jts	Len (ft)	Top (ftKB)
Coiled tubing	1 3/4		1.91			2,263.00	12.0

Perforations

Date	Top (ftKB)	Btm (ftKB)	Zone	Com
6/7/2000	2,275.0	2,349.0	BALLARD::PICTURED CLIFFS, Original Hole	PERF PICTURED CLIFFS 2275, 77, 83, 86, 89, 95, 99; 2305, 07, 11, 17, 27, 31, 41, 49

Stimulations & Treatments

Hyd Frac-Other on 3/26/1955 00:00

Type	Zone	Comment
Hyd Frac-Other		SAND-OIL FRAC W/ 12,000 GALS OIL & 17,500# SAND FROM 2272' - 2322'

Hydraulic Fracture on 6/8/2000 14:30

Type	Zone	Comment
Hydraulic Fracture	BALLARD::PICTURED CLIFFS, Original Hole	FRAC W/ 438 BBLS 30# LINEAR GEL AND 176,000# 20/40 SAND W/ 437,900 SCF N2

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: 1 Murphy E

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."

2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.

3. The following modifications to your plugging program are to be made:

a) Bring the top of the Pictured Cliffs/Fruitland top to 1896'.

b) Place the Kirtland/Ojo Alamo plug from 1064'- 850' inside the 2 7/8" and outside the 5 ½" casings.

c) High H2S has been encountered in the area, therefore you are required to have H2S personal and equipment on location during plugging operations.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.