SUBJECT IN TRIPLE ATE:

FOSK, ASPRONED OMB 1-0-1004-0139

ORM \$160-3 UN 1997)		A	(Other insti royers)		Owie 5.0, 1004-0150 Expires Schmary 25, 1995
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ryshorwate OIL	GAS X OTE	<u>=1</u> 0	SINGLE X MCL	mplä	S. FARMOR LEASE NAME, WELLING. GALLEGOS CANYON UNIT 553
P.O. 1	CO PRODUCTION COM BOX 3093 STON , TX :	PANY 17079	491 EXT:		20-045-36549
ADDRESS AND TREPHICAEN MARY CORLEY SUBMITTING CONTAC	Т		10 FIELD IND POOL, OR WILDCAT BASIN FRUITLAND COME		
	section clearly and in accordance with SESW SEC 33 T29N R1				H. SEC J. R.M., OF PAK AND SURVEY OR AREA SECTION 33 T29N R12W MERIDIAN NMP
DISTANCE IN MILES AND U	RECTION FROM THE MEAREST T	TOWN OR POST OFFICE			12 COUNTY OR PARISH SAN JUAN 13 STATE NM
11 MILES FROM FARM 15 DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FO	·	15 NO ACRES F 43102.90	NLEASE	17, NO 01 10 THIS V 320,00	FACRES ASSIGNED NELL
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21. ELEVATIONS (Show whether	OF, RT, GR, etc.)				22 APPROX DATE WORK WILLSTARY 05/06/2001
23.	PI	ROPOSED CASING A	ND CEMENTING PROGR	AM	
SIZE OF HOLE	CRADE, SIZE OF CASING	WEIGHT YER FOOT	SETTING DEPTH		QUANTITY OF CEMENT
					
would into the Racin Fruit!	ted 16/26/1999. Amoco Pro land Coal Pool as per proc ons (total attachments = 8)	duction Company re- edures attached. Also	 specifully request permissi o included with application	on so drill th a are the requ	or subject Hested
This suffice to S	bier in tentumber og mojds 190 Gb og torner er	e wasti. Mi	A COUNTY HOLD	Be Carrier	THE EFECATIONS ADTROMISED ARE FOR TO CONTINUES WITH ATTACHED TONE RECERCIMENSE

DATESCALLER LEAVES DELLER and spored purposed in 45 OFF SHOWING

JUL 2001 RECEIVED ONLOOM, DIV DIST. 3

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM. If proposal is to deepen, give data on present productive zone and proposed productive zone if proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout proventer program, if any

**	ELECTRONIC SUBMISSION #2365	VERIFIED BY THE BLM WELL INFO SENT TO THE FARMINGTON	ORMATION SYSTEM FIELD OFFIC	E
SIGNED MARY CORE	FOR AMOCO PRODUCTION COMPAN	THE SUBMITTING CONTACT		DATE 01/16/2001
5:GNED	The second secon			
		AND DAME	15/01	

	APPROVAL DATE
PERMIT NO.	title to those rights in the subject lease which would entitle the applicant to conduct operations therein.
Application, approval does not warried by contray that the applicable hadden regards a supplicable of the applicable of the appli	tide to those rights in the subject lease which would entitle the applicant to conduct operations therein

APPROVED BY	my F -	DATE
	COMPLETE	



/a/ Lee Otteni

APPROVED BY

FORM 3160-3 (July 1992)

SUBMIT IN TRIPLICATE*
(Other instructions on

FORM APPROVED OMB NO. 1004-0136 Expires February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DATE -

TYPE OF WORK DR	CO PRODUCTION COMBOX 3092 STON , TX O. T SESW SEC 33 T29N R RECTION FROM THE NEAREST INGTON, NM COMPLETED, SEE FT. DF, RT, GR, etc.) 5404 GL	DE THER MPANY 77079 PHO FAX EM2 h any State r	DNE281.366.4 (: 281.366.4 AIL:corleyml	SINGLE X MULT ZONE 4491 EXT: 0700 @bp.com	17. NO. OF TO THIS W 320.00	MERIDIAN NMP 12. COUNTY OR PARISH SAN JUAN F ACRES ASSIGNED WELL	LNO. JNIT 553 5 2 9
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3.	5404 GL	400	1	IVD	20. ROTAR ROTAR	RY OR CABLE TOOLS RY	
						22. APPROX. DATE WORK WILL 05/06/2001	START*
SIZE OF HOLE	P	ROPOSE	ED CASING A	ND CEMENTING PROGRA	М		
	GRADE, SIZE OF CASING	WEIGH	T PER FOOT	SETTING DEPTH		QUANTITY OF CEMENT	Γ
vell into the Basin Fruitla supporting documentation This selfes is self- procedural review and sopped purely	BE PROPOSED PROGRAM	M: If propoporations a	esal is to deep and measured at #2365 VER	Spectfully request permission of included with application and the control of the	ve zone and by by the true revenue.	NO DEENATIONS ADTIVOR OT TO CONTROL MEDITATION AND REQUIREMENTS! proposed productive zone. If p nter program, if any. ATION SYSTEM	H ATTACHED
FO SIGNED MARY CORLE	OR AMOCO PRODUCT	TION CO	MPANY	SENT TO THE FARMING SUBMITTING CONTACT	ION	FIELD OFFICE	1/16/2001
PERMIT NO.				APPROVAL DATE————————————————————————————————————	5-/	7 /01	dune on similar at h

TITLE -

District I PO Box 1984, Hobbs NM 88241-1980 C 'strict II PO Drawer KK, Artesia, NM 87211-0719 District III 1000 Rio Brazou Rd., Aztoc, NM 87410 District IV

PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Dep

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

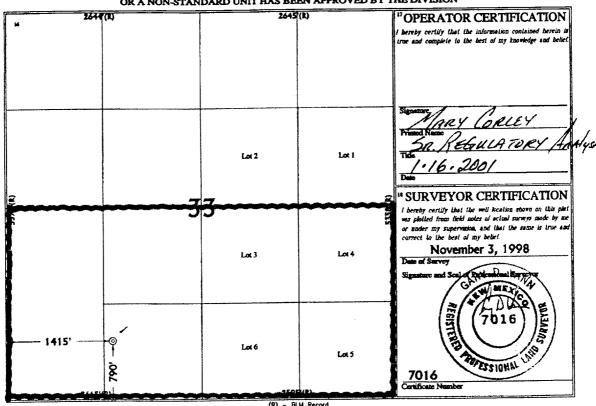
Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT Pool Code 71629 # 553 GALLEGOS CANYON UNIT 000570 5404 AMOCO PRODUCTION COMPANY 000 778 Surface Location

Foot from the Zange UL or Lot No. SAN JUAN SOUTH 1415 WEST 790 N 33 29 N 12 W " Bottom Hole Location If Different From Surface Bast/West line Feet from the 1 LiL or lot so. 15 Order No. 3.20.1)
NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED

OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION







AMOCO PRODUCTION COMPANY DRILLING AND COMPLETION PROGRAM

Lease: Gallegos Canyon Unit

Well No: 553

County: San Juan

Surface Location: 33-29N-12W, 790 FSL, 1415 FEL

State: New Mexico

Field: Basin Fruitland Coal

Date: January 16, 2001

OBJECTIVE: Drill 150' in	to the Pictured Cliffs, set 4 3	½" Casing to TD, Perf	& Stimulate Fruitland	d Coal interval				
	HOD OF DRILLING		APPROXIM	ATE DEPT	HS OF C	EOLOGI	CAL MARI	KER
TYPE OF TOOLS	Estimated	GL: 5404			J KB: 54			
Rotary	DEPTH OF I 0 - TD	MARKER		SU	JBSEA	MEAS.	I	
L	OG PROGRAM		Ojo Alamo			Surface	1	Surface
TYPE	DEPTH INVERAL		Kirtland Fruitland Coa Pictured Cliffs			5270 4460 4117)	145 955 1298
CASED HOLE GR-CCL-TDT	TDT – PBTD GR-CCL - PB	-						
REMARKS: - Please report any flares	s (magnitude & duration)).						
						3967	,	1448
			TOTAL DEP		torus	* Possib		1440
			# Probable co				LLING TI	/F
TYPE	SPECIAL TESTS		FREQUENC None			FREQUE Geolograp	ENCY D	EPTH TD
None							<u> </u>	
REMARKS:								
	Type Mud	Weight #/g	al Vis sec/of	W/L cc	's/30 mi	n Othe	r Specific	ation
Approx. Interval 0 - 120-135 120-135 - TD REMARKS: (1) The hole will requir	(1) Water/LSN	8.6-9.2 ND 8.6-9.2 oaded while fresh		Let hole co		dictate fre		ation
Approx. Interval 0 - 120-135 120-135 - TD REMARKS: (1) The hole will requir	3 jts. Spud (1) Water/LSN re sweeps to keep unl	8.6-9.2 ND 8.6-9.2 oaded while fresh	n water drilling.	Let hole co	onditions es will be go	dictate fre	equency.	
Approx. Interval 0 - 120-135 120-135 - TD REMARKS: (1) The hole will requir	3 jts. Spud (1) Water/LSN re sweeps to keep unl (Normally, tubular goods all Estimated Depth	8.6-9.2 ND 8.6-9.2 oaded while frest ocation letter specifies Casing Size	casing sizes to be u	Let hole consed. Hole size	onditions es will be go	dictate fre	equency.	
120-135 - TD REMARKS: (1) The hole will requir CASING PROGRAM:	3 jts. Spud (1) Water/LSN re sweeps to keep unl (Normally, tubular goods all	8.6-9.2 ND 8.6-9.2 oaded while fresh	casing sizes to be u	Let hole co	es will be go	dictate fre	equency.	
Approx. Interval 0 - 120-135 120-135 - TD REMARKS: (1) The hole will requir CASING PROGRAM: Casing String Surface/Conductor	3 jts. Spud (1) Water/LSN re sweeps to keep unl (Normally, tubular goods all Estimated Depth 120-135 1448 to Surface bove below top Picture RAM: Hydraulic Frac 3: 4 hours prior to Spud,	8.6-9.2 ND 8.6-9.2 oaded while fresh ocation letter specifies Casing Size 7" 4 ½"	casing sizes to be under drilling. Casing sizes to be under drilling. Grade J-55 ST&C J-55 ST&C	Let hole consed. Hole size Weight 23# 10.5#	onditions es will be go Hole S	dictate free	equency.	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	DENSITY (lb/gal)	YIELD (ft3/sk)	WATER (gal/sk)	EXCES S %
8 3/4"	J-55 ST&C 7"	23#	135'	95 SXS (113 CU.FT) CLS B CIRC TO SURFACE	15.6	1.19	5.25	100%
6 1/4"	J-55 ST&C 4 1/2"	10.5	1448'	120 SXS (251 CU.FT.) CLS B - LEAD 44 SXS (97 CU.FT.) CLS B - TAIL	11.4 15.6	2.68 1.19	16.6 / 5.25	70%_
				2%CuCl w 3% SMS				<u> </u>

FEDERAL CEMENTING REQUIREMENTS

- 1. All permeable zones containing fresh water and other usable water containing 10,000 PPM or less total dissolved solids will be isolated and protected from contamination by cement circulated in place for the protection of permeable zones per the NTL-FRA 90-1 Section III A.
- 2. The hole size will be no smaller than 1 ½" larger diameter than the casing O.D. across all water zones.
- 3. An adequate spacer will be pumped ahead of the cement slurry to help prevent mud contamination of the cement.
- 4. An adequate number of casing centralizers will be run through usable water zones to ensure that the casing is centralized through these zones. The adequate number of centralizers to use will be determined by API SPEC 10D.
- 5. Centralizers will impart a swirling action around the casing and will be used just below and into the base of the lowest usable water zone.
- 6. A chronological log will be kept recording the pump and slurry information and will be sent to the BLM with the subsequent sundry.

Amoco Production Company BOP Pressure Testing Requirements

Well Name:

Gallegos Canyon Unit 553

County:

San Juan

State: New Mexico

Formation	TVD	Anticipated Bottom Hole Pressure	Maximum Anticipated Surface Pressure **
Ojo Alamo	Surface		
Kirtland	145		
Fruitland Coal	955		
Pictured Cliffs	1298		

** Note: Determined using the following formula: ABHP - (.22 * TVD) = ASP

Requested BOP Pressure Test Exception: 750 PSI

SAN JUAN BASIN Fruitland Formation Pressure Control Equipment

Background

The objective Fruitland Coal formation maximum surface pressure is anticipated to be less than 1000 PSI, based on shut-in surface pressures from adjacent wells. Pressure control equipment working pressure minimum requirements are therefore 2000 PSI. Equipment to be used will conform to API RP-53 (Figure 2.C.2) for a 2000 PSI system per Federal Onshore Order No. 2. Due to available conventional equipment within the area, 3000 PSI rated pressure control equipment will typically be utilized in a double ram type arrangement. Regional drilling rights to be utilized have substructure height limitations which exclude the use of annular preventers; therefore a rotating head will be installed above these rams. This pressure control equipment will be utilized for conventional drilling below conductor to total depth. No abnormal temperature, pressure, or Hydrogen Sulfide gas is anticipated.

Equipment Specification

<u>Interval</u>

BOP Equipment

Below conductor casing to total depth

11" nominal or 7 1/16", 3000 PSI double ram preventer with rotating head.



All ram type preventers and related control equipment will be hydraulically tested to 250 PSI (low pressure) and 750 PSI (high pressure), upon installation, following any repairs or equipment replacements, or at 30 day intervals. Accessories to BOP equipment will include Kelly cock, upper Kelly cock with a handle available, floor safety valves and choke manifold which will also be tested to equivalent pressure at the appropriate intervals.