Submit to Appropriate District Office

7/8"

CONDITIONS OF ATTROVAL, IF ANY:

State of New Mexico

Form C-101 Energy, Minerals and Natural Resources Department Revised 1-1-89 State Lease - 6 copies
Fee Lease - 5 copies OIL CONSERVATION DIVISION API NO. (assigned by OCD on New Wells) DISTRICT I P.O. Box 1980, Hobbs, NM 88240 P.O. Box 2088 30-045-27940 Santa Fe, New Mexico 87504-2088 DISTRICT II P.O. Drawer DD, Artesia, NM 88210 5. Indicate Type of Lease FEE 🔀 DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410 6. State Oil & Gas Lease No. APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK la. Type of Work: 7. Lease Name or Unit Agreement Name DRILL X RE-ENTER DEEPEN PLUG BACK b. Type of Well: Mudge Gas Com "C" WELL OTHER WELL [SINGLE MULTULE coal seam ZONE ZONE 2. Name of Operator 8. Well No. Amoco Production Company ATTN: J.L. Hampton 3. Address of Operator 9. Pool name or Wildcat P. O. Box 800 Denver, Co. 80201 Basin Fruitland Coal Gas 4. Well Location Unit Letter A: 950 Fed From The North Line and 810 Feet From The East NMPM San Juan 10. Proposed Depth 11. Formation 12. Rotary or C.T. Fruitland Coal (TD) 2885' Rotary 14. Kind & Status Plug. Bond 13. Elevations (Show whether DF, RT, GR, etc.) 15. Drilling Contractor 16. Approx. Date Work will start State-wide 5976' GR unknown As soon as permitted 17. PROPOSED CASING AND CEMENT PROGRAM SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH SACKS OF CEMENT EST. TOP 12.1/4" 8 5/8" 24# 250' 250 cf (cement to surface)

2885'

JUN2 9 1990 OIL CON. DIV DIST. 3

(TD)

808 cf (cement to surface)

APPROVAL EXPIRES_ UNLESS DRILLING IS COMMENCED. SPUD NOTICE MUST BE SUBMITTED WITHIN 10 DAYS.

17#

5 1/2"

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO ZONE, DIVE BLOWOUT PREVENTER PROORAM, IF ANY,	DEEPEN OR FLUID BACK, GIVE DATA ON PRESENT INCODUCTIVE ZONE AND INCOMOSED NEW INCODUCTIVE
1 hereby certify that the information above is true and complete to the best of my knowled SIGNATURE	TITLE Sr. Staff Admin. Supv. DATE 6/27/90
TYTEORIFINMAME J.I. Hampton	TELEPHIONE NO. 830-5119
(This space for State Use) ATTROVED (Y will Busel)	DEPUTY OIL & GAS INSPECTOR, DIST. #3 JUL 0 2 1990

Amoco proposes to drill the well to further develop the Fruitland Coal reservoir. The well will be drilled to the surface casing point using native mud. The well will then be drilled to the total depth with a non-dispersed mud system. The attached modified 12" 3000 psi blowout preventer will be used (please see attached BOP information). The well will be completed in the Fruitland Coal with a fracture stimulation.

Quantity	Size	Weight	Description	Cementing Program
SURFACE CA	SING -5/8"	24	K55 ST&C	250 cf Class B, 2% CaCl ₂ 15.6 ppg
INTERMEDIA 2885 5.	TE STR	ING 17∥	K55 ST&C	808 cf Class B, 65:35:6 10% salt, .25% dispersant 13.1 ppg 118 cf Class B, 2% CaCl ₂ 15.6 ppg

The above casing design is based upon a 11.0 | / gal mud weight.

EVALUATION

The log surveys (FDC/GR/CAL, Microlog) will be run per attached drilling and completion program.

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

WELL LOCATION AND ACREAGE DEDICATION PLAT

ISTRICT III 000 Rio Brazos Rd., a	Aziec, NM 87410	WELL LOCA	A NOITA Se must be	from the outer b	oundaries of the	ne section		Well No.
JOO KID BIRDON III.		74, 000		1 ease				# 1
AMOCO I	PRODUCTION	V COMPANY		<u> </u>	GAS CO	7 / 1 / 1	County	
Jait Letter	Section 3	Township 31 NORT	'H	Range 11 b	IEST	NMP	M S	IAN JUAN
Actual Footage Locati	-	1			010		. Е	EAST line
		NORTH	line and		810	feet fro	m the	Dedicated Acreage: 320.83
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Ground level Elev.	17 .11	1 (201	Į.	Basin	Trutte	12 (46	1 443	1 /Z Aciss
5976	1701 4	to the subject well by	colored pe	ocil or hachure m	irks on the plat	below.		
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2 If more	than one lease is ded	icated to the well, out	line each an	d identity the own	cumb mercor (0001 00 10 110		
<u></u>	. 5	ferent ownership is de	dicated to th	e well, have the i	nterest of all ow	mens been con	isolidated by co	mmunitization,
3, If more	than one lease of oil	- 3 Jeleur Omneisruh 19 an						
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If answer	is "no" list the owner	No If answers and tract description	s which hav	e actually been co	Disculnation (c.			i de anico
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No allows	able Will be assigned	to the well until all lin iminating such interest	, has been a	pproved by the D	vision.			
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SAN JUAN BASIN FRUITLAND COAL DEGASIFICATION (DRILL THROUGH WELLS) PRESSURE CONTROL EQUIPMENT

Background

The objective Fruitland Coal formation maximum surface pressure is anticipated to be 1400 PSI, based on completion testing. 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 rigs to be utilized have substructure height limitations which exclude 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 surface to total depth in the Pictured Cliffs.

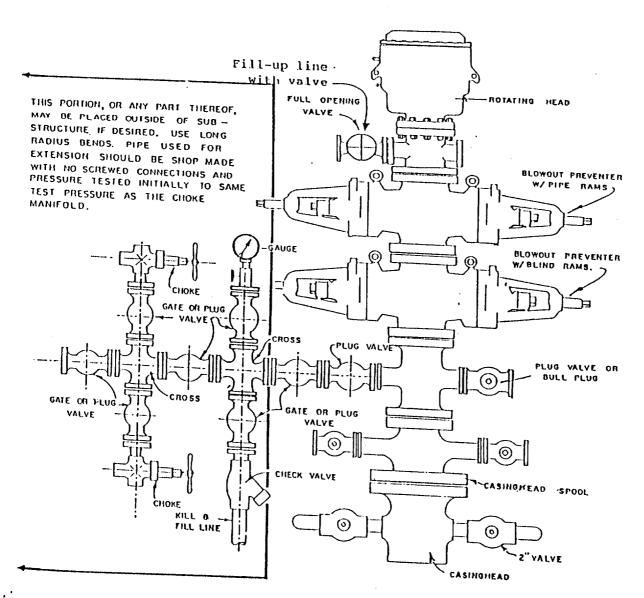
Equipment Specification

Interval
Below Surface Casing
to
Total Depth

BOP Equipment 12" nominal, 3000 PSI double ram preventer with rotating head (see Exhibit No. 1 - BOPE)

All ram type preventers and related control equipment will be hydraulically tested to 250 PSI (low pressure) and 2000 PSI (high pressure), upon installation, following any repairs or equipment replacements, or at 30 day intervals. Accessories to BOP equipment will include kelly cock, floor safety valves and choke manifold which will also be tested to equivalent pressure.

Please direct any questions to George Gray at (303) 830-5190 in our Denver office.



BLOWOUT PREVENTER HOOKUP

