SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES

COLDET INTERIOR

COLDET INTERIOR

30 - 045-22)/8

5. Lease designation and serial no.

	CEOLO(OF THE II		1011		5. LEASE DESIGNATION AND SERIAL NO. SF 078046
1 501 16 4 7101				N OR PILIG P	ACK	G. IF INDIAN, ALLOTTER OR TRIBE NAME
	1 FOR PERMIT T	O DRILL, L	JULIFE	N, OR TEOU B	- CK	
a. Type of work DRI	LL 🛎	DEEPEN [PLUG BA	CK 🗆	7. UNIT AGREEMENT NAME
OIL G	AS OTHER		811 20	NGLE MULTIP	LE X	S. FARM OR LEASE NAME
NAME OF OPERATOR	ELL OTHER					Hughes
	atural Gas Co	ompany				9. WELL NO.
PO Box 99	0, Farmingtor	, NM 87	401			Blanco Pictured Clif
. LOCATION OF WELL (R	eport location clearly and		h any S	tate requirements.*)		Blanco Mesa Verde
At surface	800'S, 170	00'E				11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
At proposed prod. zon	ıe.					Sec. 20, T-29-N, R-8-W
4 DISTANCE IN MILES	AND DIRECTION FROM NEAR	REST TOWN OR POS	T OFFICE	•		NMPM 12. COUNTY OR PARISH 13. STATE
., 2.3,						San Juan NM
5. DISTANCE FROM PROPO LOCATION TO NEARES	T		16. NO	. OF ACRES IN LEASE	17. NO. TO T	OF ACRES ASSIGNED PC 160.00
PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)			10 2222212 12227		20 ROTA	MV 320.00
8. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DIGILING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			19. PROPOSED DEPTH 5715'		Rota	
1. ELEVATIONS (Show wh			<u></u>	<u> </u>	12100	22. APPROX. DATE WORK WILL START*
6438'GL						
3.	I	PROPOSED CASI	NG ANI	CEMENTING PROGR	AM	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	тоот	SETTING DEPTH		QUANTITY OF CEMENT
13.3/4"	9 5/8"	32.3#		2001	1224	C
				200'	1	cu.ft. to circulate
8 3/4" 6 1/4"	7" 4 1/2"line	20.0#		3360' 3210-5715'	335-	cu.ft. to circulate cu.ft. to cover Ojo Alacu.ft. to fill to 3210'
8 3/4" 6 1/4" Selective and the P A 3000 ps blind and This gas	4 1/2"line ely perforate rictured Clif: i WP and 6000 pipe rams with is dedicated of Section 20	and sand fs format or psi tesill be us is dedic	ion. t do ed f	3360' 3210-5715' r fracture to the gate pror blow out	the Me	cu.ft.to cover Ojo Alacu.ft.to fill to 3210' sa Verde formation er equipped with nation on this well.
8 3/4" 6 1/4" Selective and the P A 3000 ps blind and This gas	4 1/2"line aly perforate rictured Cliff where and 6000 pipe rams with definition deepen direction	and sand fs format or psi tesill be us is dedic	ion. t do ed f	3360' 3210-5715' r fracture to the gate pror blow out	335 436 The Me revent preve	cu.ft.to cover Ojo Ala cu.ft.to fill to 3210' sa Verde formation er equipped with ntion on this well. Story O/ST. 3 during zone and proposed new productive red and true vertical depths. Give blowout
8 3/4" 6 1/4" Selective and the P A 3000 ps blind and This gas The E/2 constant in the preventer program, if a server program, if a server preventer program is the preventer program in a server preventer program in a server preventer program is the preventer program in a server preventer pr	4 1/2"line aly perforate rictured Cliff where and 6000 pipe rams with definition deepen direction	and sand fs format or psi tesill be us is dedic	ion. t do ed f	3360' 3210-5715' r fracture to the gate pror blow out to this well block, give data on on subsurface locations.	335 436 The Me revent preve	cu.ft.to cover Ojo Ala cu.ft.to fill to 3210' sa Verde formation er equipped with nation on this well. Signature zone and proposed new productive and true vertical depths. Give blowout
8 3/4" 6 1/4" Selective and the P A 3000 ps blind and This gas The E/2 constant in the preventer program, if a server program, if a server preventer program is the preventer program in a server preventer program in a server preventer program is the preventer program in a server preventer pr	4 1/2"line ely perforate cictured Clif: di WP and 6000 l pipe rams w: is dedicated of Section 20 the PROPOSED PROGRAM: If defill or deepen direction ny. H. Lucco	and sand fs format or psi tesill be us is dedic	ion. t do ed f	3360' 3210-5715' r fracture to the gate pror blow out to this well block, give data on on subsurface locations.	335 436 The Me revent preve	cu.ft.to cover Ojo Ala cu.ft.to fill to 3210' sa Verde formation er equipped with nation on this well. Signature zone and proposed new productive red and true vertical depths. Give blowout

*See Instructions On Reverse Side

Okaf

I' to common

SEP 2 1977

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

1760

All distances must be from the outer boundaries of the Section Operator Lease Well No. 34 EL PASO NATURAL GAS COMPANY HUGHES (SF 078046) Unit Letter Section County 8-W SAN JUAN 0 20 29-N Actual Footage Location of Well: 800 SOUTH 1700 feet from the line and feet from the Producing Formation PICTURED CLIFF Ground Level Elev. 160.00 & BIANCO PICTURED CLIFFS 6438 MESA_VERDE <u>BLANCO MESA VERDE</u> 320.00 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? ☐ No If answer is "yes," type of consolidation If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)_ No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commis-CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Original Signed by D. G. Brisco Drilling Clerk <u>Natural Gas ¢</u>o. Company 31, 1977 August SF 078046 Date SECT I hereby certify that the well location vn on this plat was platted from field notes of actual surveys made by me or M under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed 1700 JULY 20, 1977 Registered Professional Engineer

1320 1650

660



P. O. BOX 990 FARMINGTON, NEW MEXICO 87401

PHONE: 505-325-2841

Multi-Point Surface Use Plan Hughes #3A

- 1. Existing Road Please refer to Map No. 1 which shows the existing roads. New roads which will be required have been marked on this map.

 All existing and new roads will be properly maintained during the duration of this project.
- Planned Access Roads Please refer to Map No. 1. The grade of the access roads will be consistent with that of the local terrain. The road surface will not exceed twenty feet (20') in width. Upon completion of the project, the access road will be adequately drained to control soil erosion. Drainage facilities may include ditches, water bars, culverts or any other measure deemed necessary by trained Company personnel to insure proper drainage. Gates and/or cattleguards will be installed if necessary.
- 3. Location of Existing Wells Please refer to Map No. 2
- 4. Location of Tank Batteries, Production Facilities, and Production Gathering and Service Lines - Please refer to Maps No. 1 and No. 2. Map No. 2 shows the existing gas gathering lines. Map No. 1 shows the existing roads and new proposed access roads. All known production facilities are shown on these two maps.
- 5. Location and Type of Water Supply Water for the proposed project will be obtained from a water hole located in Manzaneras Mesa Water Well.
- 6. Source of Construction Materials No additional materials will be required to build either the access road or the proposed location.

- 7. Methods of Handling Waste Materials - All garbage and trash materials will be put into a burn pit shown on the attached Location Plat No. 1. When clean-up operations are begun on the proposed project, the burn pit with its refuse will be buried to a depth of at least three feet (3'). A latrine, the location of which is also shown on Plat No. 1 will be provided for human waste. If large amounts of liquids are left in the reserve pit after completion of the project, the pit will be fenced until the liquids have had adequate time to dry. The location clean-up will not take place until such time as the reserve pit can be properly covered over to prevent run-off from carrying any of these materials into the watershed. No earthen pit will be located on natural drainages; all earthen pits will be so constructed as to prevent leakage from occurring.
- 8. Ancillary Facilities No camps or airstrips will be associated with this project.
- 9. Wellsite Layout Please refer to the attached Plat No. 1.
- 10. Plans for Restoration of the Surface After completion of the proposed project, the location will be cleaned and leveled. The location will be left in such a condition that will enable reseeding operations to be carried out. Seed Mixture #2 will be used. The reseeding operation will be performed during the time period set forth by the regulatory body. The location production equipment will be painted brown (Federal Standard #595 30318).
- 11. Other Information The terrain is rolling hills and sand stone ledges covered with some cedar trees. Cattle graze the proposed project site.

- 12. Operator's Representative W. D. Dawson, Post Office Box 990, Farmington, New Mexico 87401
- 13. Certification -

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by El Paso Natural Gas Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

August 31, 1977

D.R. Read

Division Drilling Engineer

DRR:pb

Operations Plan Hughes #3A

I. Location: 800'S, 1700'E, Section 20, T-29-N, R-8-W, San Juan County, NM

Field: Blanco Mesa Verde-Blanco PC Elevation: 6438'GR

II. Geology:

Α.	Formation	Tops:	Surface	San Jo	se	Lewis	3160'
			Ojo Alamo	18	370 '	Mesa Verde	4665'
			Kirtland	21	.35'	Menefee	4790'
			Fruitland	27	730 '	Point Lookout	5265 '
			Pic.Cliffs	30	35'	Total Depth	5715 '

B. Logging Program: I-ES and GR-Density at 3360'.

GR-Ind. and GR-Density at Total Depth.

C. Coring Program: none

D. Natural Gauges: 4655', 4780', 5255' and at Total Depth.
Also gauge any noticeable increase in gas. Record all gauges in
daily drilling report and on morning report.

III. Drilling:

A. Mud Program: mud from surface to 3360'. Gas from intermediate casing to Total Depth.

IV. Materials:

Α.	Casing Program:	Hole Size	<u>Depth</u>	Casing Size	Wt.&Grade
		13 3/4"	200'	9 5/8"	32.3 # H-40
		8 3/4"	3360'	7"	20.0# K-55
		6 1/4"	3210-5715'	4 1/2"	10.5# K-55

B. Float Equipment: 9 5/8" surface casing - Larkin guide shoe (fig. 102)

7" intermediate casing - Dowell guide shoe (fig. 50101) and Dowell self-fill insert float valve (fig. 53003), 5 B&W stabilizers (Prod. No. 637085) every other joint above shoe. Run float two joints above shoe.

- 4 1/2" liner 4 1/2" liner hanger with neoprene packoff. Larkin geyser shoe (fig. 222) and Larkin flapper type float collar (fig. 404 M&F).
- C. Tubing: 5715' of 2 3/8", 4.7#, J-55 8rd EUE tubing with a common pump seating nipple above perforated pup joint with bull plugged full joint for mud anchor on bottom.

3160' of 1 1/2" tubing with a common pump seating nipple above perforated pup joint with bull plugged full joint for mud anchor on bottom. A production packer will isolate the two formations.

D. Wellhead Equipment: 10" 900 x 9 5/8" casing head. 10" 900 x 6" 900 xmas tree equipped with dual mandrel to run two strings of tubing

V. Cementing:

9 5/8" surface casing - use 190 sks. of Class "B" cement with 1/4# gel-flake per sack and 3% calcium chloride (224 cu.ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600#/30 minutes.

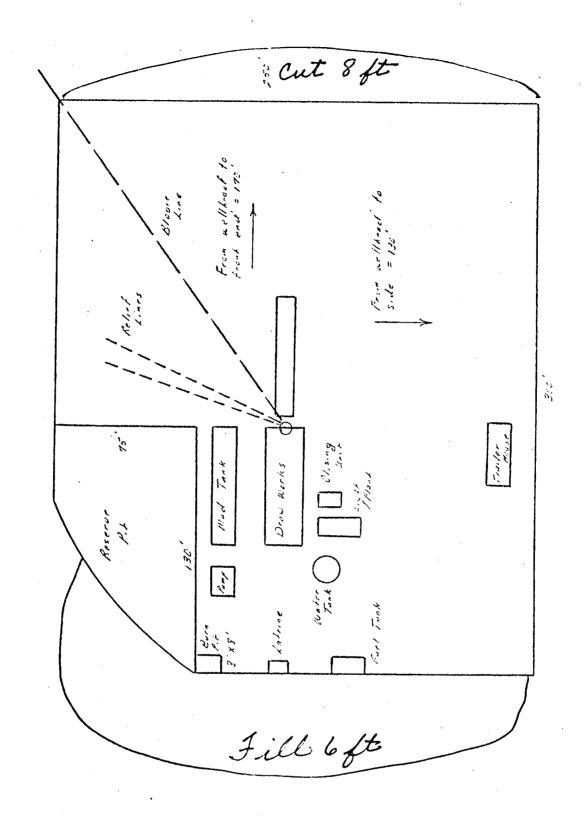
7" intermediate casing - use 83 sks. of 65/35 Class "B" Poz with 12% gel (15.52 gallons of water per sack) followed by 100 sks. of Class "B" with 2% calcium chloride (335 cu.ft. of slurry, 50% excess to cover Ojo Alamo). Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1200#/30 minutes.

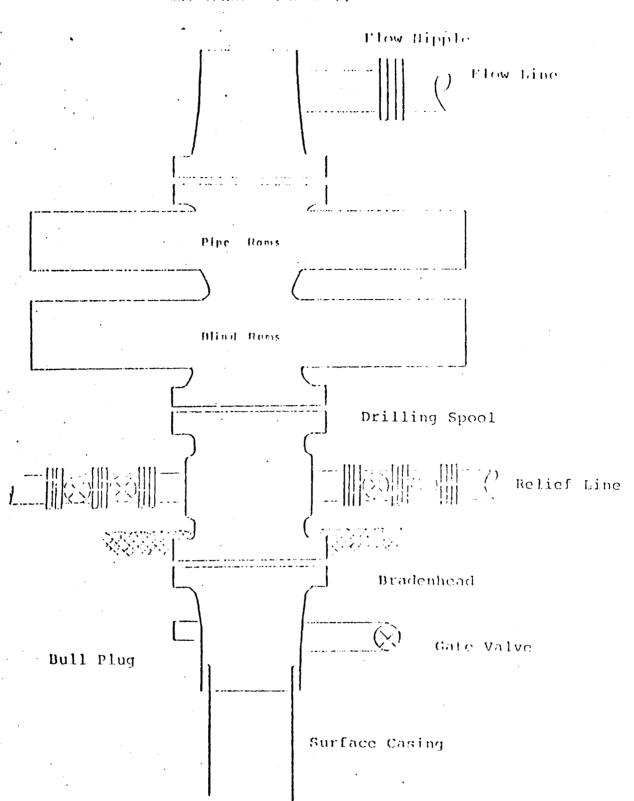
4 1/2" liner - precede cement with 20 barrels of gel water (2 sks. gel) Cement with 242 sks. of Class "B" cement with 4% gel, 1/4 cu.ft. of fine gilsonite per sack and 0.6% Halad-9 (436 cu.ft. of slurry, 70% excess to circulate liner). WOC 18 hours.

DRR:pb

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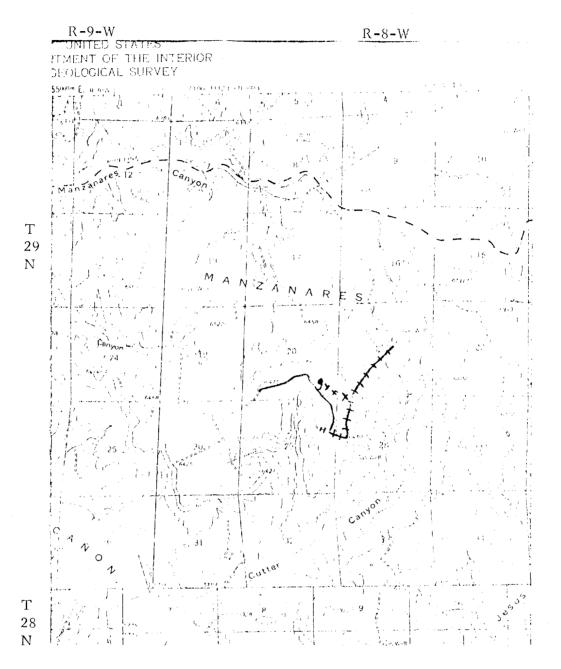
13/100 Location Plat for Misso Verde and Whota Wells





Series 900 Double Gate BOP, rated at 3000 psi Working Pressure When gas drilling operations begin a Shaffer type 50 or equivalent rotating head is installed on top of the flow nipple and the flow line is converted into a blowie line

EL PASO NATUR AL GAS COMPANY Hughes #3A SWSE 20-29-8

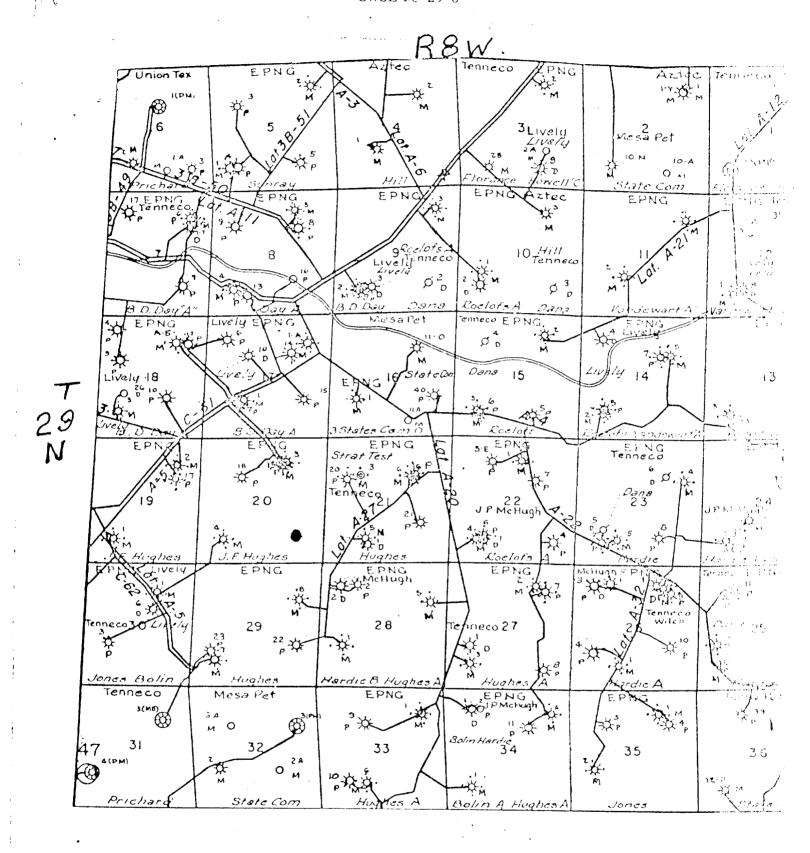


MAP #1

TRUBBLE OF STREET-ST-SATS

MASTINA	DOMOG		
PATOTING	PEFFITTE	-+-	+ +-
EXIGHTE	nows - Figure		i +
PROPOSER	ECWARI		
FROPULED	PITERCES	+	+ +
Pactober	BOVD - 1.11.19		-+-

EL PASO NATURAL GAS COMPANY. Hughes #3A SWSE 20-29-8



MAP #2
Proposed Location