Form 3160-4 (Neverber 1983) (formerly 9-330)

UNITED STATES

SUBMIT IN DUPLICATE.

Form approved. Budget Bureau No. 1004-0137

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15.5# & 17# 7470 7 7/8" 1350 sacks (2086.50 Cu.Ft.) None		WEIGHT, LR.	/FT.						•	ENTING	RECORD		AMOUNT PULLED
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and the signed where the foregoing and attached information is complete and correct as determined from all available express 0.2 1984 SIGNED SIGNED SUPERIOR TITLE Superintendent PATE 9-26-84 HARMINGTON RECORD	s to be sold	to Gas Co	mpany	of Ne	w Mexi	co(Co	ndensate	e to	Shell	0i1	(Co.)		
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available (expires 0 2 1984) SIGNED (NOTE 9-26-84) FARMINGTON RESOURCE AREA	35. LIST OF ATTACHM	ENTS									ACCE		. OH KEOOKD
SIGNED (Maskes Clercus TITLE Superintendent HARMINGTON RESOURCE AREA	uplete cement 36. I hereby certify.	records.	og and s	ttached in	formation	1s come	ete and an-	ant	data=-'-	d (- All A 0-51- 7	267 -	
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•	•	******		Dakota		red Cliff;	Alamo	FORMATION	37. SUMMARY OF POROU- drill-stem, tests, inclu- recoveries):
	·	• .•.		7181	4688 7096	2950	2383	TOP	S ZONES: (Siding depth in
				7427	5403 7150	3033	2/.71	BOTTOM	how all important zo terval tested, cush
	910 1/4 1420 1/2 1940 3/4 2640 1 2947 1 3264 3/4 3766 3/4 4278 3/4 4781 1 5275 1 5787 1 1/4 6180 1 7179 1 7179 1 7377 3/4 7455 3/4	Depth Degrees	Hole Deviation Test			Warer Sand Gas Sand	White Co. 1	DESCRIPTION, CONTENTS, ETC.	SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):
	•			Greenhorn Dakota	Pictured Cliffs	A lamo	NAMB		38.
•				7096	2950	2202	MEAS. DEPTH	T	GEOLOGIC MARKERS
*				4088 7096 7181	2950 2950	2	TRUE VERT. DEPTH	TOP	

Ran new 5 1/2" J-55 Smls 8rd thd Casing as follows:

7470' to 6397'	(1073¹)	New 5 $1/2$ " $17#$ J-55 Smls 8rd thd	ST&C
6397' to 937'	(5460')	New 5 $1/2$ " 15.5# J 55 Smls 8rd thd	ST&C
937' to Surface	(9 37 ')	New 5 $1/2$ " 17# J-55 Smls 8rd thd	LT&C

Stage Tools run in Casing string at 5445' and 3309'.

Cement Baskets run on Casing string at 5578' and 3391'.

24 Centralizers run on Casing string at following points: 7426',7386',7342',7298',7254',7211',7167',7127',7084',7041',6997',6956',5537',5413',5372',5328',5291',5252',5212',5168',5126',5089',2248' and 3267'.

Cemented 5 1/2" Casing in three (3) Stages.

First Stage thru shoe at 7470' with 250 sacks (412.50 Cu.Ft.) Light weigh 5 Plus 4% Gel and 12 1/4# Gilsonite per sack. Followed by 100 sacks (188 Cu.Ft.) Neat Cement. Plug down 12:30 AM 8-2-84.

Second Stage cemented thru Stage Tool set at 5445' with 250 sacks (412.50 Cu.Ft.) Light weigh 5 Plus 4% Gel and 12 1/4# Gilsonite per sack. Followed by 100 sacks (118 Cu.Ft.) Neat Cement. Plug down 1:30 AM 8-2-84.

Thrid Stage cemented thru Stage Tool set at 3309' with 550 sacks (907.50 Cu.Ft.) Light weigh 5 Plus 4% Gel and 12 1/4# Gilsonite per sack. Followed by 100 sacks (118 Cu.Ft.) Neat Cement. Plug down 2:30 AM 8-2-84.

Cement circulated on all three stages.

Approx 2 bbls slurry on first Stage. Approx 4 bbls slurry on second Stage. Approx 25 bbls slurry on thrid Stage.