Form 3160-4 (October 1990)

## UNITED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN DUPLICATE\*

(See other Instructions on

FOR APPROVED OMB NO. 1004-0137

Expires: December 31, 1991

			В	UREAU OF L	AND N	MANAG	EMEN	Т			5. LE	ASE DESIGNATI	ON AND SERIAL NO.			
11/15/1												SF-078508				
18. TYPE OF		ETIOI	OR I	RECOMP	7		REP Other	ORT AND	) LO	G*	6. IF	INDIAN, ALLOTT	EE OR TRIBE NAME			
b. TYPE OF COMPLETION:											7. UNIT AGREEMENT NAME					
NEW WORK DEEP PLUG DIFF. WELL X OVER EN BACK SESVR Other											8. FARM OR LEASE NAME, WELL NO.					
2. NAME OF	ODEDATO											Nordhaus #1	В			
			URCES	DIL & GAS CO	ANDAR	.IV		ag •		المارية والمارية	9. AP	PI WELL NO.				
3. ADDRES				SIE d OAG CC	JIVIE AI	· · · · · · · · · · · · · · · · · · ·					10 E	30-045-3019 IELD AND POOL				
PC	PO BOX 4289, Farmington, NM 87499 (505) 326-9700												verde/Basin Dakota			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*  At surface 1170'FSL, 805'FWL											11. S		R BLOCK AND SUBVEY			
At surface	e 117	70'FSL, 8	305'FWL						şe			OR AREA				
At top pro	d. interval re	ported be	low								Sec.13, T-31-N, R-9-W					
At total de	epth						7.									
					14. PE	ERMIT NO	5.	DATE ISSUE	D			OUNTY OR PARISH	13. STATE			
												San Juan	New Mexico			
15. DATE SPU 5-21-00		5-30-0		8-	8-00	0 6465'GL/				EVATIONS (DF, R 6465'GL/6480	RKB, RT, BR, ETC.)* 19. ELEV. CASINGHE					
20. TOTAL DE	PTH, MD &TV	<sup>7</sup> D   2	21. PLUG, E	BACK T.D., MD &T	VD 2	2. IF MULT	IPLE CO			ERVALS RILLED BY	ROTAR	Y TOOLS	CABLE TOOLS			
8000'			7995	<b>;</b> '	- 1		I IOVV MI	2	"	CILLED BY	Ì	0-8000'	1			
24. PRODUCT	ION INTERVA	AL (S) OF T	HIS COMPL	ETION-TOP, BO	TTOM, N	DM, NAME (MD AND TVD)*					25. WAS DIRECTIONAL					
7715 70	03' Dakota	a duallad	/Moses	uarda								SURVEY M				
26. TYPE ELE				verde		<del></del>				<del> ,</del>	No 27. WAS WELL CORED					
CBL/GR	/CCL/Indu	ction/Co	npensate	ed Neutron Tri	ple Lith	no-Dens	ity/Ter	np.			27. WA	S WELL CORED	No			
28.					CAS	SING REC	ORD (	Report all string	s set in	well)						
CASING SIZ	E/GRADE	WEIGHT	, LB./FT.	DEPTH SET (	MD)	HOLE S	IZE	TOP OF CEN	MENT, C	EMENTING RECO	ORD	Ai	MOUNT PULLED			
11 3/4"		42#		219'		14 3/4" 313 cu. ft.										
8 5/8" 5 1/2"		32# 15.5#		3546' 7997'		10 5/8" 7 7/8"			1731 cu. ft. 1065 cu. ft.							
		10.011		7007			76		1000	Cu. II.						
29.	<u> </u>		LINER RE	CORD	'_			30.		·	TL	I IBING RECORD				
SIZE	TOP (MD)	BOTT	OM (MD)	SACKS CEME	NT*	SCREEN (MD		SIZE	DEPTH SET (				PACKER SET (MD)			
		1						1 1/4"		7885'		6100'				
31 PERFORA	TION RECOR	D (Interval.	size and nu	imber)	3:			L	, O. 10	T COLOTUDE	0=11=					
		-		•	1		THINTE	RVAL (MD)	ID, SHC	T, FRACTURE,						
<b></b>													UNT AND KIND OF MATERIAL USED SIK WTr, 39,000# 20/40 TLC sand.			
					F											
					F											
33.							PR	ODUCTION	<u> </u>							
DATE FIRST PR	ODUCTION		PRODUC	CHON METHOD?		gas int, pi lowing	imping	size and type of p	итр)			WELL STATUS	Producing or snut-in )			
DATE OF TEST		HOURS TE	STED	CHOKE SIZE	PROD'I	N FOR	OIL-B	BL	GAS-	MCF	WATE	ER-BBL	GAS-OIL RATIO			
8-8-00	1				TEST P	PERIOD										
FLOW. TUBING	PRESS.	CASING P	RESSURE	CALCULATED	OIL-	BBL		GAS-MCF		WATER-BE	j SL		OIL GRAVITY-API (CORR.)			
CI 040				24-HOUR RATE				1		}			OLE CITATITITITITITITITITITITITITITITITITITI			
SI 219 34: DISPOSIT	ION OF GAS (	Sola, usea	for fuel, ven	led, etc.)	L			TSTM				leson wie				
		To be		*								TEST WITNESS				
35. LIST OF A	TTACHMENT	None			-			<u>.</u>			-	LACCEP	TED FOR RECORI			
36. I hereby ce	ertify that the fo		d attached i	nformation is com	plete and	correct a	s determ	nined from all avail	able rec	ords		9	EP 1 9 2000			
SIGNED	Dead	<u>u (</u>	al	<u>/</u> m	TLE R	Regulato	ry Sup	ervisor			DATE	9-12-00	Li   / 2000			
	7-7	,	*(Se	e Instructio	ns an	d Snac	es fo	r Additiona	l Data	on Reverse	•	FARMI	HOTON FELD OFFICE			
			,-0		011	Pat	10			OII NEVERS		. w l				

FORMATION	recoveries):	37. SUMMARY OF POROL	
TOP		US ZONES: (Shuding depth int	
BOTTOM		ow all important z erval tested, cusi	
DESCRIPTION, A CARACTER AND	7.2.75.76.77.76	37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and	in the section and all
NAME MEAS, DEPTH VERT, DEPTH	TOP	38. GEOLOGIC MARKERS	

Dakota	Graneros	Greenhorn	Gallup	Mancos	Point Lookout	Menefee	Cliff House	Chacra	Huerfanito Bentonite* 4150'	Lewis	Pictured Cliffs	Fruitland	Ojo Alamo Kirtland
7739'	7631'	7590'	6874'	5930'	5570'	5248'	4875'	4432'	e* 4150′	3458′	3010′	2683′	2032' 2075'
8000'	7739'	7631'	7590'	6874'	5930'	5570'	52481	4875'	4432'	4150′	3458′	3010′	2075' 2683'
Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & shale breaks	Dk gry shale, fossil & carb w/pyrite incl.	Highly calc gry sh w/thin lmst.	Lt gry to brn calc carb micac glauc silts & very fine gr gry ss w/irreg.interbed sh	Dark gry carb sh.	Med-light gry, very fine gr ss w/frequent sh breaks in lower part of formation	Med-dark gry, fine gr ss, carb sh & coal	ss. Gry, fine-grn, dense sil ss.	Gry fn grn silty, glauconitic sd stone w/drk gry shale	White, waxy chalky bentonite	Shale w/siltstone stringers	Bn-Gry, fine grn, tight ss.	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	White, cr-gr ss. Gry sh interbedded w/tight, gry, fine-gr ss.
aks				,		Graneros Dakota	Greenhorn	Point Lookout Mancos	Menefee	Cliffhouse	Lewis Huerfanito Bent Chacra	Fruitiand Pictured Cliffs	Ojo Alamo Kirtland
******		Sec. 144	e nemilioi			7631' 7739'	7590'	5930	5248	4875'	3458' 4150' 4432'	3010'	2032' 2075'

<sup>\*</sup> Huerfanito Bentonite is the legal top of Mesaverde in New Mexico (North of Chacra line)