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Form 9-331 (May 1963)	DEPAR	UNITED STATES TMENT OF THE INTER	SUBMIT IN TRIPLIC E* [Other Instructions on re- verse side)	Form approblem 5. LEASE DESIGNATE 14-20-503-21	
		GEOLOGICAL SURVEY		6. IF INDIAN, ALLOTTES OR TRIBE NAV. E.	
		OTICES AND REPORTS: posals to drill or to deepen or jdig ICATION FOR PERMIT—" for such i		Navajo	
1.	AS OTHER	Water Injection Wel	1	7. UNIT AGREEMENT Northwest	Cha Cha
	ole Oil & Re	fining Company		8. FARM OR LEASE N	
3. ADDRESS OF OP		D	7	9. WELL NO. 21-27	H 38
	ELL (Report locatio	Denver, Colorado 8020 a clearly and in accordance with any		10. FIELD AND POOL,	
	1(660° FNL &	(1980' FWL) of Section	n 27	11. SEC., T., R., M., O SURVEY OR AR Sec 27-29N-	R BLK. AND EA
14. PERMIT NO.		15. ELEVATIONS (Show whether D	F, RT, GR, etc.)	12. COUNTY OR PARI	SII 13. STATE
		56761 KB		San Juan	New Mexico
12-07-12-08-112-09-1	OSED OR COMPLETED OR SPOT 15 71 - Spot 15 71 - Shot 5 sack ce of ceme 71 - Shot ca 1160-97 Set reg 15 sack Interva	PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON* CHANGE PLANS OPERATIONS (Clearly state all pertinent ctionally drilled, give subsurface local state of the casing at 1575*, cannent plug, squeeze 25 and inside casing at 1 sing off at 1020*, put 10*, 50 sack cement plug 30*, 50 sack cement plug at 1 cement plug 30*. Its between plugs fille cleaned ready for ins	0-5130°, 15 sack cemersing would not free bo sacks out of shot holowood. 500°. 11ed casing. Spot 40 ag 223-123. marker in top of surfaced with mixed mud.	including estimated del depths for all mark at plug 4220 at 1050 at at 1575 at as as a sack coment	n on Well form.) late of starting day ers and zones persi- 4120 WCC. Lifx 40 Left top
1 .	- NM O&G Con - Minerals S - Midland - Clinton	mission Supe r visor - Navajo Tr	ibe	RECEIVED FEB 1 19) 12 ₀ ns.
)c	

18. I hereby certify that the foregoing is true and correct Dist. Superintendent (This space for Federal or State office use)

Form 9-331 (May 1963)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

UN ID STATES SUBMIT IN TRIP DEPARTMENT OF THE INTERIOR (Other Instruction verse side)

Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

DATE

14-20-603-2168 GEOLOGICAL SURVEY G. IF INDIAN, ALLOTTEE OR TRIBE NAME SUNDRY NOTICES AND REPORTS ON WELLS Nava jo (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.

Use "APPLICATION FOR PERMIT—" for such proposals.) 7. UNIT AGREEMENT NAME GAS WELL Water Injection Well Northwest Cha Cha WELL OTHER 2. NAME OF OPERATOR 8. FARM OR LEASE NAME Northwest Cha Cha Unit Humble Oil & Refining Company ADDRESS OF OPERATOR 21-27 P. O. Box 120, Denver, Colorado 80201 LOCATION OF WELL (Report location clearly and in accordance with any State requirements. 10, FIELD AND POOL, OR WILDCAT See also space 17 below.) Cha Cha Gallup NENW(660' FNL & 1980' FWL) of Section 27 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 27-29N-14W NMPM 14. PERMIT NO. 12. COUNTY OR PARISH 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 13. STATE 5676' KB New Mexico San Juan 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF REPAIRING WELL FRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT ALTERING CASING XX SHOOT OR ACIDIZE ABANDON* SHOOTING OR ACIDIZING ABANDON MENT* REPAIR WELL CHANGE PLANS (Other) (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) (Other) 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work of the work of the starting and t Ineffective injector = not necessary for flood. TD 5377', PBTD 5330'. 9-5/8" csg set at 173' w/125 sxs cement circulated to surface, 5½" csg set in 7-7/8" hole at 5376' w/ 200 sxs cement - TOC @ 41201, perforated 5230-52461 w/4 shots/ft. We propose to plug and abandon well as follows: Spot 15 sxs cement 5230-5130, 15 sxs cement 4220-4120', Run free point and cut and pull as much 5½" casg as possible, spot 40 sxs cement(a 100' plug) between base of Pictured Cliffs @ 1280' and top of Mesaverde @ 2730', spot 40 sxs cement from 1160-1060' across top of Pictured Cliffs @ 1110*, 50 sxs cement 223-123* across bottom of surface casing, 14 sxs cement 30-0*. Intervals between plugs to be filled with mixed mud. Place regulation dry hole marker in top of surface casing and clean location for inspection. cc: 2 - NM O&G Commission 1 - Minerals Supervisor - Navajo Tribe 1 - Midland OCT 18 1971 Jt. Operations 18. I hereby certify that the foregoing is true and correct Dist. Chief Engineer 10-4-71 TITLE SIGNED (This space for Federal or State office use)

TITLE

							Budget Bure Approval ex	au No. 42-R350 4. pires 12-31-60.
			UNITE	D STAT	ES .		dian Agency	
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(SUBMIT IN TRIPLICATE) UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

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NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	Sendoll Free.
ST NAME OF STREET STREET	URE OF REPORT, NOTICE OR OTHER DATA)
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_	June 22 19 60
Ojo Amerillo	
Well No. is located 500 ft. from	line and 1950 ft. from W line of sec. 27
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	MAN THE SECTION OF TH
The elevation of the derrick floor above sea level	is 9075 ft.
DETAILS	OF WORK U. S. GEOLOGICAL SURVEY OF WORK
me 11, 1960 Total Depth 3377. Clean Out	eights, and lengths of proposed casings; indicate mudding jobs, coment- important proposed work)
	riorated intervals \$230'-5246' (perf. 4 sb./ft.)
with 49, 250 cale, leave area and	50, 2000 send. Breakdown pressure 1500 pelg:
maximum trouble procoure 2100 p	sig. Everage treating pressure 2000 paig.
Injection Late: 36,6 bbls./min. 1	lush with 5250 gals, lease crude. Dropped
32 perforation half seelers and the	我把我们的一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个一个
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	回 JUL 5 1960 目
	H SAM JUAN BE
	ENG. DEPT
I understand that this plan of week must receive approval in writ	ing by the Geological Survey before operations may be comprehed.
Company RI Page Natural Gas Products	Company
Address Post Office Box 1560	
Address	ORIGINAL SIGNED BY: JOSEPH E. KREGER
Fermington, New Mexico	By
	Title Petroleum Engineer
The second se	1 IIIIC
B. S. GOVERNMENT PRIN	TING OFFICE 16-8437b-8

(SUBMIT IN TRIPLICATE)

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UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

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SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO DRILL SUBSEQUENT REPORT OF WATER	R SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS SUBSEQUENT REPORT OF SHOOT	TING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF SUBSEQUENT REPORT OF ALTER	and a series of the first term of the series
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NOTICE OF INTENTION TO PULL OR ALTER CASING SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	
Ojo Amarillo Well No. 2 is located 560 ft. from N line and 1980 ft. f NR/4 NW/4 Section 27 29N 14W NMPM (Kange) (Meridian)	June 17 19 60
DETAILS OF WORK (State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed ca	U. S. GEOLOGICAL SURVEY
June 5, 1960 Total Depth 3377', Ran 129 joints, 5-1/2", 15.50%, J-35 Casing (5363.4) with 100 sacks regular cement, 100 sacks Pozmiz, 2%	1') set at 5375.91' gel, 25* Gilsonite
Held 1000 4/80 Minutes.	
Top of cement by temperature survey at 4120'.	6 LZIJA
	B WILLIAM
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	日 46 14 1960日
	(C) 000 11 A
I understand that this plan of work must receive approval in writing by the Geological Survey before	ere operations may be commenced.
Company El Paso Natural Gas Products Co.	
A CARLES AND	
Address Post Office Box 1560	
ORIGINAL SIGN	ED BY: JOSEPH E. KREGER
Farmington, New Mexico	
Title Petro	leum Bngineer
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	(April 1952)						
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(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Approval	expires 12-31-60.
indian Agency	Navajo Tribel
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14-	20-602-2169

SUNDRY NOTICES AND REPORTS C	N WELLS	
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NOTICE OF INTENTION TO ABANDON WELL		
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Ojo Amarillo	0230	
ell No. 2 is located 660 ft. from line and 1980 ft.	from $\{X'\}$ line of sec.	27
	(**)	
NB/4 NW/4 Section 27 29N 14W NMP (14 Sec. 20 Sec. No.) (Twp.) (Range) (Meridis		
Undes ignated San Juan	New Mexico	
(Field) (County or Subdivision)	(State or Territory)	
he elevation of the derrick floor above sea level is 3075 ft.	, .	
DETAILS OF WORK	(and the second
tate names of and expected depths to objective sands; show sizes, weights, and lengths of proposed ing points, and all other important proposed work)	casings; indicate mudding jo	bs, coment-
Spud D.te: May 15, 1960. May 16, 1960 Total Depth 180'.		
Ran 5 joints, 9-5/8", 36.00%, J-55 Cag. (161.28') set		
with 125 sacks regular coment, 8% CeCl. circulated to	surface.	
Held 500%/30 Minutes.		
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I understand that this plan of work must receive approval in writing by the Geological Survey b	efore operations may be com	menced.
ompany Ki Paso Natural Gas Products Company	·	
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ddress Post Office Box 1565	11 13	
DEICHAL CICN	ED BY: WILLIAM K.	GLAZLin
Parmington, New Mexico		
	dam Badassa	
Title Petro	leum Engineer	
A CAUSDUM TO SALES TO		•

Form 9-831b				W 3		expires 12-31-60.
(April 1952)		(SUBMIT IN	TRIPLICATE)	Inc	lian Agency	Navajo Triba
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te, vals between plugs filled w/1	nixed mud K.B. CORRECTION: C.L.ELEV.: 5675
	15 sx Cmt plug 30-0
NOLE SIZE:	
505x Cm+plug 223-123	95/8" 36 1555 GRADE SET AT 175 CEMENT WITH 125 SX
	Top of Cement at Surf' HOSK Cont plug 1160-970
HOLE SIZE:	P/1575 + Sq = 25 sx Toc@1500
D.V. tool @sx	
	155x Cmt plug 4220-4120
*TOP PERF: 5230. FIELD: Cha Cha FORMATION: Gallup *BOT PERF: 5246.	15 sx Cmt plug 523-513:0
PBTU: S330' TOTAL DEPTH 5377' *INDIVIDUAL PERFS: 5230-46	5/2" 15.51 J55 GRADE SET AT 5376 CEMENT WITH 200 SX STCS
SPF = HOLES	Top of cement at $\frac{4/20}{}$.
LEASE NAME: Cha Cha	WELL NO.: 272127-2
WELLBORE DIAGRAM AS OF DATE: ///	/90
STATE: Nm COUNTY: San Jua	elnit C section: 27
TOWNSHIP: $\frac{.29N}{}$ RANGE: $14W$	_ LEGAL: 660 N 1980 W
OPERATOR: SOI WORKING INTERES	
COMPLETION DATE: 6/24/60 CURRENT STATUS:	(PMP) (FLOW) (INJ) (T/A) (SI) PAA

REMARKS.