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Form 9-331 C (May 1963)	Artes , M UNIT DEPARTMENT	ED STATES	NTERIO	revers	PLICATE structions on se side)	<u> 30-005</u>	roved. reau No. 42-R1425.
APPLICATION	I FOR PERMIT T	O DRILL, I	DEEPEN,	OR PLUG	i BACK		TTEE OR TRIBE NAME
b . TYPE OF WELL		DEEPEN		PLUG B RECI	EIVED	7. UNIT AGREEMENT	
	LL X OTHER			X zon		S. FARM OR LEASE.	
2. NAME OF OPERATOR TRANSWESTER	N GAS SUPPLY	COMPANY	L	JUN 1 (6 1982	Antelope 9. WELL NO.	Federal
3. ADDRESS OF OPERATOR						1	
P.O. BOX 25	21, Houston,	Texas 7	7001	O. C.		10. FLELP AND, POOL	L.OR WILDCAT
4. LOCATION OF WELL (Re At surface 1980 * At proposed prod. zone	FNL & 1980'			ngaron , ka y ju		11. BEC. T. B. M. AND SURVEY OF Sec. 29	T45, R22E
14. DISTANCE IN MILES A						12. COUNTY OR PAR	•
	rthwest of R	oswell, N				Chaves	<u>_</u> ∧ N.M.
15. DISTANCE FROM PROPOSILICCATION TO NEAREST PROPERTY OR LEASE LI (Also to nearest drig.	NE, FT. unit line, if any, 19	80'		acres in lease 555.70		DF ACRES ASSIGNED	
18. DISTANCE FROM PROPO TO NEAREST WELL, DR OR APPLIED FOR, ON THIS	ILLING, COMPLETED,	N/A	19. proposi	о рертн 800 г		tary	
21. ELEVATIONS (Show whether	her DF, RT, GR, etc.)			000			WORK WILL START*
_4462' GR					<u> </u>	July 1,	1982
23.	Р	ROPOSED CASIN	NG AND CEN	MENTING PRO	GRAM		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	тос	SETTING DEPTH		QUANTITY OF CE	MENT
17 1/2"	13 3/8"	48.0#		700'	<u>t</u> 3		Circulate)
12 1/4"	8 5/8"	24.0#		1500 '		990 sx ⁻ (Circulate)
7 7/8"	4 1/2"	10.5#		TD.		350 sx	

Propose to drill to approximately 3800' to test for possible commercial production in the Abo and intermediate formations.

BOP diagram is attached.

Gas is dedicated.



OIL & GAS U.S. GEOLOGICAL SURVEY in Above space describe proposed program: If proposal is to deepen or plug back, give data on present productive some and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.	June W.	mankli		Agent	DATE	May 31, 1982
SIGNI (Thi	s space for Perenicol States	fice use)				
(C Perm	Rig. Sed.) GEORGE T			APPROVAL DATE		
	DVED BY JUN 7 1982		TITLE		DATE	A N' gr
CONT	ITIO FOR APPROVAL, IF ANY : JAMES A. GILLHA				~	xon qr , r
	DISTRICT SUPERVIS		struction	ns On Reverse Side		v v

See instructions On Keverse Sid

Constraint Air distances must be from the outer boundaries of the other Constraint Constraint TRANSWESTERN GAS SUPPLY COMPANY ANTELOPE FEDERAL I Unit Letter Section Township Honge County E' 29 T-4-S R-22-E Chaves Actual Lestage Location of Well: 1980 Internation 660 Icet from the WEST Hone Ground Level Elev. Producing Formation Proof Dedicated Acreage; County	STATE OF NEW MEXICO			87504	Fertsed ID-1-78
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HELL AGENT Uro ELEVATOH 4412 TRANSWESTERN GAS SUPPLY Date CO. 6/7/82 I hereby certify that the well location shown on this plat was platted from free notes of actual surveys made by me a under my supervision, and that the som is true and correct to the best of me knowledge and belief. IIII USE Construction IIIII 1982 IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	 2. If more than one lease is interest and royalty). 3. If more than one lease of diduted by communitization, unoted by communitization, unoted by communitization, unoted by communitization. Yes No If an If answer is "no," list the orthis form if necessary.) No allowable will be assigned forced-pooling, or otherwise) 	dedicated to the fferent ownership hitization, force-p swer is "yes," typ owners and tract of d to the well unti or until a non-star	well, outline each and i is dedicated to the wel ooling. etc? be of consolidation lescriptions which have	dentify the ownership l, have the interests actually been conso n consolidated (by conso	p thereof (both as to working of all owners been consoli- lidated. (Use reverse side of communitization, unitization, cen approved by the Division. CERTIFICATION by certify that the information con- therein is true and complete to the of my knowledge and belief.
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Form 9-331 Dec. 1973		NM OIL CONS. CON	MISST		
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	DEPARTMENT OF THE IN			NM-32335 ···	
	GEOLOGICAL SURVE	Y	_ 6. 1	F INDIAN, ALLOTTEE OR TRIE	BE NAME
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reservoir. Use F	orm 9-331-C for such proposals.)	JUN 21 1982	- 0. 1	FARM OR LEASE NAME	
1. oil well	gas well 🕅 other	NI HOUZ		Ant <u>elope Federal</u> WELL NO.	
2. NAME O	F OPERATOR	O. C. D.		<u>l</u> '	
TRANS	WESTERN GAS SUPPLY	"ES! PANYCE]	FIELD OR WILDCAT NAME	
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including	BE PROPOSED OR COMPLETED O g estimated date of starting any pr d and true vertical depths for all m	oposed work. If well is	direction	ally drilled, give subsurface 1	tinent dates, ocations and
Chang 660' reaso	e of location from FWL on request of t	1980' FNL & 1 the Eureau of	980 ' Land	FWL to 1980' FN Mgt due to arch	L & aeologica
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Subsurface S	afety Valve: Manu. and Type			Set @	Ft.
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SIGNED	larry W. mankler	IILEAgent		DATE 6/7/82	S.
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	S. S.J.) GEORGE H. STEWA	k A		é sa transmission de la companya de	
APPROVED BY	DF APPROVAL, IF ANY:	TITLE		DATE	υ.
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APPLICATION TO DRILL

TRANSWESTERN GAS SUPPLY COMPANY Antelope Federal No. 1 1980' FNL & 1980' FWL Section 29, T4S, R22E Chaves County, N.M.

The following answers are provided for your consideration in response to your outline under Section II of Bulletin NTL-6:

- 1. Location: 1980' FNL & 1980' FWL, Section 29, T4S, R22E, Chaves County, New Mexico.
- 2. Elevation Above Sea Level: 4462'
- 3. Geologic Name of Surface Formation: Permian
- 4. Drilling Tools and Associated Equipment: Conventional rotary drilling tools using mud for the circulation medium.
- 5. Proposed Drilling Depth: 3800'.
- 6. Estimated Geological Marker Tops: Glorietta 1125' Tubb 2285' Abo 2728'
- 7. Mineral Bearing Formation: Gas bearing at 3450'.
- 8. Casing Program:
 - 20" Casing Set 60' of 20" conductor pipe with rat hole machine. Grout to surface.
 - 13 3/8" Casing Set at 700[•] and cement with an estimated 920 sx of cement to circulate to surface.
 - 8 5/8" Casing Set at 1500' and cement with an estimated 990 sx of cement to circulate cement to surface.
 - 4 1/2" Casing Set to total depth and cement with an estimated 350 sx of cement to isolate all water, oil and gas zones.
- 9. Pressure Control Equipment: Blowout preventer stack will consist of double-ram blowout preventer rated to 3000psi WP. BOP sketch is attached.

- 10. Proposed Circulation Medium: Mud will be used for circulation for all depths in this well. Hole conditions will dictate mud additives.
- 11. Testing, Logging, and Coring Programs:
 - Testing: All testing will be commenced after the well has been drilled and casing has been set and cemented.
 - Logging: Compensated Neutron Formation Density with Gamma Ray and Caliper, and Dual Laterolog-RXO.
 - Coring : None anticipated.
- 12. Potential Hazards: No abnormal pressure or temperature zones are anticipated.
- 13. Anticipated Starting Date: Drilling will commence Approximately July 1, 1982. Drilling should be completed within 9 days. Completion operations will commence following drilling operations.





Blowout Preventer 3000 psi working pressure