SUBMIT IN TRIPLICATE.

(Other instructions on reverse side)

UNITED STATES							
DEPARTMENT	OF THE	INTERIOR					

Form approved.
Budget Bureau No. 42-R1425.

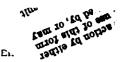
30-045-225.

LEASE DESIGNATION AND SHRIAL NO.

	GEOLO	GICAL SURVEY	(SF - 078478	<u>. </u>	
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK				ACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
DRILL DEEPEN DEEPEN PLUG BACK					7. UNIT AGREEMENT NAME		
	AS OTHER		SINGLE MULTIP	.» [] x -	8. FARM OR LEASE NAM	18	
WELL WELL W	ELI, OTHER		ZONE ZONE		Marron WN Fe	deral Com.	
	field Company			-	9. WELL NO.		
3. ADDRESS OF OPERATOR	41044 -044210				· 1-A		
501 Lincoln T	ower Bldg., 186	O Lincoln St	nenver, Colo. 8	30295	10. PIELD AND POOL, O		
4. LOCATION OF WELL (R	eport location clearly and	in accordance with	any State requirements.*)	I	Blanco Mesave		
SW NW (Unit	E) - 1630' f/No.	rth & 1120'	f/West lines Sec.	27	11. SEC., T., R., M., OR B AND SURVEY OR AR	LE. Chacra	
At proposed prod. zor	Approx Same				Section 27-27N-8W		
4. DISTANCE IN MILES	AND DIRECTION FROM NEAR	EST TOWN OR POST	OFFICE*		12. COUNTY OR PARISH		
		•			San Juan	New Mexico	
5. DISTANCE FROM PROPO LOCATION TO NEARES			6. NO. OF ACRES IN LEASE 960 - Lease	17. NO. OF	ACRES ASSIGNED		
PROPERTY OR LEASE I (Also to nearest dri	LINE, FT. LLZU' I/CL	rlg unit	160 this well	320 ₺	160 (Hv & Cha	c. respective	
18. DISTANCE FROM PROI		6 SSE 1/ 1	9. PROPOSED DEPTH		Y OR CABLE TOOLS		
OR APPLIED FOR, ON TH	IS LEASE, PT. #4		4750'	ilotar	<u> </u>		
21. ELEVATIONS (Show wh					Dirt Work -	When appl rec	
	05' Ga, Ungr.				Est. 5-1 to		
23	P	ROPOSED CASING	AND CEMENTING PROGRA	M			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOO	T SETTING DEPTH	<u> </u>	QUANTITY OF CEMEN	T	
12-1/4"	8-5/8"	24#	2501	200 ao	(circ to sur	face)	
7-7/8"	5-1/2"	15.5#	T.D.	750 sx	(2 - stage		
Las	6, attached are	Drilling Surface U	APR 25 19 OIL CON. COLUMN DIST.	3	APR 21 19	977	
one. If proposal is to reventer program, if an		ity, give pertinent d	lata on subsurface locations ar	iu measured	and true vertical depth	a. Give blowout	
24.							
SIGNED W. A.	Walther to	<u>т</u> тты	Operations Manag	ger	4/18/	77	
(This space for Fede	eral or State office use)						
PERMIT NO.			APPROVAL DATE				
APPROVED BY		TITI.I	·		DATE		
01	•						
	77						

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT



All distances must be from the outer boundaries of the Section Well No. Lease Marron WN Federal Com. AtlanticRichfieldCompany Township Unit Letter Section 8 West 27 North San Juan 27 E Motual Factage Location of Well: West 1120 line and feet from the North Dedicated Acresses Pool Producing Formation ext Ground Lavel Elev. Mesaverde & Chacra Blanco Mesaverde & Largo Chacra 6105 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 Both Federal Leases interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consoli-* Operating Agreement has been executed. dated by communitization, unitization, force-pooling.ctc? Communitization Agmt being prepared 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 Commission. CERTIFICATION I hereby certify that the information contained herein is true and complete to the Operations Manager Atlantic Richfield Company Atlantic Richfield Company April 18, 1977 Lse. No. SF-078478 Date NW/4 Sec. 27 SEC 27 Ibex Partnership Lse. No. NM-03604 Sw/4 Sec. 27 Date Surveyed March 31, 1977 Registered Professional Engineer and/or Land Surveyor Certificate No. E.V. Echohawk LS

1000

1500

2000

500

MARRON WI FEDERAL COM., WELL #1-A
NW/L Section 27-27N-8W
San Juan County, New Mexico

1. Surface Formation: Tertiary - Wasatch

2. Geologic Markers: Ojo Alamo (base) - 1445'
. Pictured Cliffs - 2195'

Chacra - 3125'
Mesaverde - 3825'
Mancos - 4665'

3. Anticipated Mineral Bearing Formations: Ojo Alamo (Poss. Water) - 1335'
Pictured Cliffs (Poss. Gas) - 2195'

Pictured Cliffs (Poss. Gas) - 2195'
Chacra (Poss. Gas) - 3125'
Mesaverde (Poss. Gas) - 3825'

4. Casing Program: Surface - 250' 8-5/8"OD 21# J-55 New Prod'n. - T.D. 5-1/2"OF 15.5# J-55 New

5. Control Equipment: Blowout Preventer - Ram Type, hydraulic operated
Rams - Two: One blind ram & one pipe ram
Series - 900 (3000/WP, 6000/T)
Manufacturer - Cameron or Shaffer
Pressure test @ 1000 psi prior to drilling
out of casing string. Operational checks
to be made daily and on trips.

Sketch attached.

6. Drilling Fluid: 0 - 250' Gel and lime to drill surface hole and set casing.

250' - 2950' Water w/gell chemical addition to maintain hole.

2950' T.D. Low solids non dispersed: 9-9.2#; vis 38-15;

water loss 8 cc or less. Maintain weight material on location.

7. Auxiliary Equipment: Kelly cock
Sub on floor with full opening valve for use in drill pipe
when kelly is not in the string.

8. Testing, Logging, Coring: At this time no drill stem tests or cores are planned.
Hole conditions, or information obtained while drilling,
may alter these plans.

Logs: Cpen Hole - Dual Induction Laterolog-8 TD - Surf. Casing Simultaneous FDC-CNL TD - 2000' ±

Cased Hole - GR-Correl, and CBL w/Var. Dens.

- 9. Abnormal Pressures, Temperatures, Potential Hazards: There are no abnormal pressures, temperatures, or potential hazards in the area. The maximum anticipated pressure is 950 psi. Weight material will be maintained on location and BOP will be pressure tested and kept in good working condition.
- 10. Starting Date- Completion: Upon receipt of the District Engineer's approval to drill, building of the road and location will be commenced, requiring approximately 4 days. Moving in and rigging up should require 4 days. Drilling to T.D., logging, and setting casing is estimated to require 13 days. Perforating, testing, treating if required, and completion should require an additional 12 days, or an estimated total of 33 days. In the event of delays (rig, services, materials, etc.) the overall time could be considerably extended.

NTL-6 indicates a minimum of 30 days are required to obtain approval, in which case operations could not be commenced until about May 15, 1977. Also, this is the 4th well of a five well drilling program, after completion of the road and location, moving in and drilling operations are estimated to commence about June 25th, 1977.

MARRON WN FEDERAL COM., WELL #1-A NW/L Section 27-27N-SW San Juan County, New Mexico

-ADJUSTABLE CHOKE

Marron WN Federal Com. Well #1-A NW/4 Section 27-27N-8W San Juan County, New Mexico

1. Existing Roads: As shown on the attached "Existing Road, Map 1" and "Existing Road - Planned Road, Map 2". The main access is East from Blanco, New Mexico on Hwy 17 approx. 1-3/8 miles, then turning right (southeasterly) along the east side of Canon Largo. From the turn-off, proceed approx. 4 miles southeasterly along the east side of Canon Largo to "Fivemile Crossing" and cross to the west side of Canon Largo. "Fivemile Crossing" is in the SW/4 Section 26-29N-9W. From "Fivemile Crossing", proceed approx. 11 miles southeasterly, turning southerly, along the west side of Canon Largo to a right-hand turnoff in the NW SE Section 22-27N-8W. Turn right in a southwesterly direction about 5/8 mile, then south 1/4 mile. From this point the new access road to location will need to be constructed. An alternate route is southeasterly from "Fivemile Crossing", up Carrizo Creek, crossing Carrizo Creek, back northwesterly along the west side of Canon Largo, crossing to the west side in the NW/4 Section 3-27N-8W. This route is not set forth, or color coded on the attached map.

None of the existing roads will require improvement.

Existing roads as set forth above, and roads within a l-mile radius are colored "red" on the attached map. The access road to be constructed is colored "blue".

- 2. Planned Access Road: The planned access road to be constructed will leave the existing road in NW NW Section 27-27N-8W as shown on Map 2. The road will be approx. 900' southeasterly to the location. There will be no grades in excess of 8%. A minimum amount of grading will be done and the natural drainage will be altered very little, if any. There will be no major cuts or fills, culverts, turnouts, gates, cattleguards, or fence cuts. The width will be approx. 18', or sufficient to handle drilling equipment. The surface area is sandy and rocky, and no special surfacing material will be required.
- 3. Existing Wells: As shown on the attached map. All wells are gas wells.
- 4. Existing/Proposed Facilities: Atlantic's facilities within a 1-mile radius are as follows: Well #3, SE/4 Section 22 and Well #4, NW/4 Section 27, both are Pictured Cliffs gas wells with approx. 100' buried gas line to gas gathering company facilities.

This well is proposed as a dual Chacra and Mesaverde completion. The maximum facilities anticipated to be required would be two (2) tanks and two (2) production units. This will depend on the amount of liquids produced. All facilities would be located on the drill pad, and there would not be any additional surface disturbance. The tank(s) pad would be approx. $18' \times 36'$ (two tanks) $\times 10''$ high with 4'' peagravel or sand on top. The production unit(s) pad would be approx. $18' \times 24'$ (incl small drain pit) and the unit(s) erected on concrete piers. The drain pit will be fenced for protection of livestock and wildlife. The area not required for facilities, or operation of the well, will be contoured as near as possible to the original contours, and restored as directed by the Bureau of Land Management.

- 5. Water Supply: Due to drought conditions, water is in very short supply in the area and it is anticipated that Braden Head water from wells in Canon Largo will be used, primarily, Graham #8, NW/4 Section 3-27N-8W, and Marron #7, NE/4 Section 22-27N-8W. Both sources shown on Map 2. The water will be trucked and no new roads, or road improvements, will be required.
- Construction Materials: Since the surface is sandy and rocky, no construction materials will be required.

7. Waste Disposal: Cuttings and drilling fluids will be disposed of in the respit. A trash, or burn, pit will be used to dispose of trash, garbage, etc.. If the reserve pit is sufficiently dry when the well is completed, both the reserve pit and trash pit will be filled upon completion of the well. If not, the trash pit will be filled upon completion of the well, and the reserve pit will be fenced to be filled when sufficiently dry.

Any produced fluids will be disposed of in the reserve pit. Any oil accumulations on the reserve pit during drilling and completion will be skirmed and disposed of immediately after the completion rig is moved off. Oil produced during completion will be held in a temporary tank for later disposition. Trash and debris cleanup will commence as soon as completion rig rove out, and final cleanup and contouring will begin as soon as possible.

- 8. Ancillary Facilities: No ancillary facilities are proposed.
- 9. Wall Site Layout: Per the attached sketches. The reserve pit, which will be approximately 25' x 75', will be unlined.
- 10. Restoration of Surface: Upon completion of the well, the drill site will be cleaned, rat and mouse holes filled, and trash pit filled. If sufficiently dry the reserve pit will be filled. If not, any oil accumulation will be removed and the pit fenced for protection of livestock and wildlife. Other than the area needed for operation and production facilities, the site will be contoured as near as possible to its original state. Gas line ditch will be backfilled and the access road graded for proper drainage and minimum surface damage. Reseeding, or any other restoration, will be as specified by the Bureau of Land Management.
- 11. Other Information: This location will slope from Southeast to northwest, requiring a h' cut on the SE corner and corresponding fill on the northwest corner. The surface is primarily sandy with rocks. Vegetation is scattered pinon and juniper trees, sparse yucca, sage brush and scattered clumps of native grasses. There are no dwellings in the area and no water wells. The closest water is in Canon Largo, on occasions.

The lands involved are Federal lands in an established gas field. There is some sheep and cattle grazing in the area. To our knowledge there are no archeological, historical, or cultural sites which will be involved, or in the area.

With the short period of operations and restoration of the surface, any disturbance to vegetation and wildlife, will be temporary and minimal. It is not anticipated that there will be any substantial impact on the environment.

12. Lassee's or Operator's Representative:

Mr. W. A. Walther, Jr.
Atlantic Richfield Company
1860 Lincoln Street, Suite 501
Denver, Colorado 80295
Phone: A/C 303 573-1:019
Res: A/C 303 798-5729

Mr. B. J. Sartain
Atlantic Richfield Company
1860 Lincoln Street, Suite 501
Denver, Colorado 80295
Phone: A/C 303 573-1053
Res: A/C 303 770-7819

Local Representative:

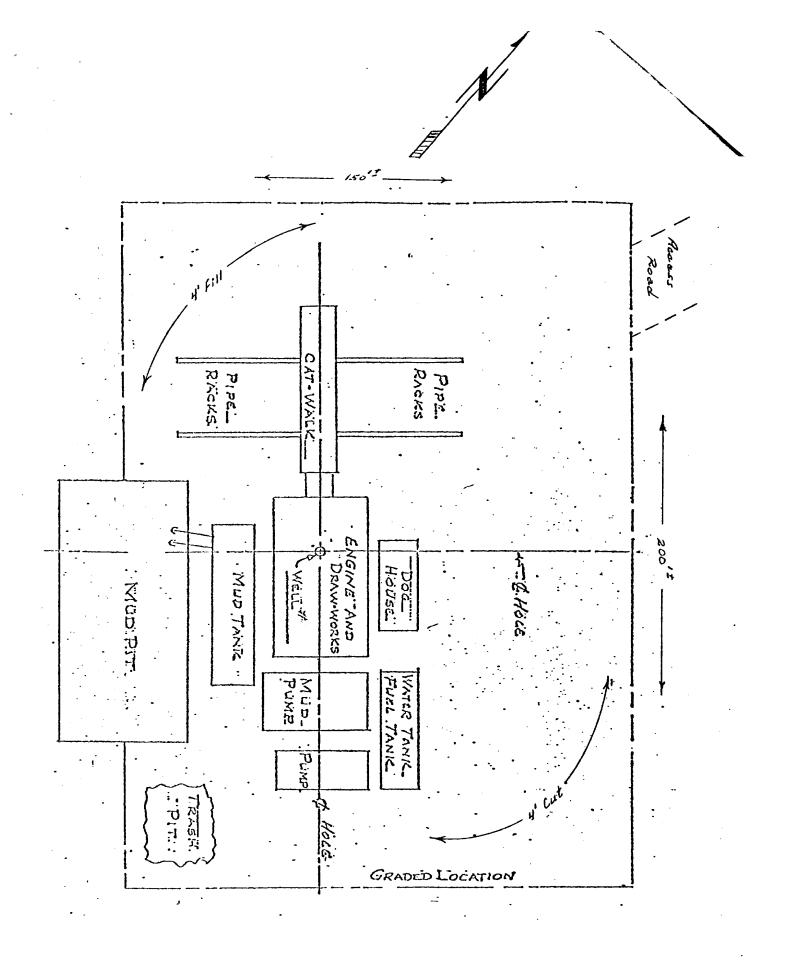
Mr. J. E. Taylor
Atlantic Richfield Company
P. O. Box 2197
Farmington, New Mexico 871:01
Phone: A/C 505 325-7527
Res: A/C 505 325-7968

13. Contification: 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, time and correct; and that the work associated with the operations proposed herein will be performed by Atlantic cichfield Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

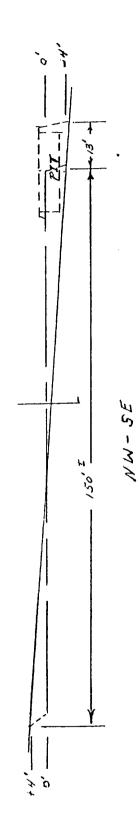
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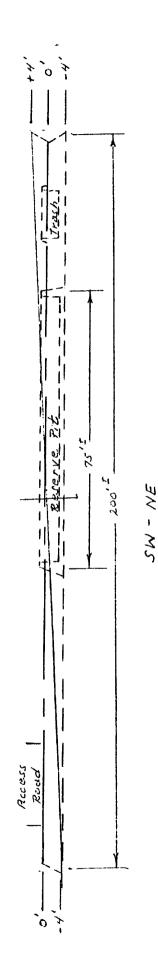
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MA.HON WN FEDERAL COM., WELL #1-A NM/l, Section 27-27N-6W San Juan County, New Mexico

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