SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R145.

UNITED STATES

Teverse slide

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

30 - 045 - 32520 5. Lease designation and serial No.

SF - 078480 6. IF INDIAN, ALLOTTEE OR TRIBE NAME

APPLICATION FOR PERMIT	TO DRILL, DEEPEN	N, OR PLUG BA	ACK	6. IF INDIAN, ALLOTTER	UB TRIBE NAME
DRILL X DEEPEN PLUG BACK			1-	7. UNIT AGREEMENT NAME	
b. TYPE OF WELL	SINC			S. FARM OR LEASE NAM	K
OIL GAS WELL SOTHER	ZON	E		Hammond WN Fe	ederal
2. NAME OF OPERATOR			: I	9. WELL NO.	
Atlantic cichfield Company	#			· 7	
ros timada Toyar Idda. 18	60 Lincoln St., D	enver, Colo. δ	0295	10. FIELD AND POOL, OR	**
4. Location of Well (Report location clearly at At surface Unit B = M/ M2 = 790 f/Nor	id in accordance with any so-	•)	Blanco Mesave 11. SEC., T., E., M., OR B AND SURVEY OR ARI	LK. ext
At proposed prod. zone				Section 35-27	n=84
ADDROX SATE				12. COUNTY OR PARISH	
14 DISTANCE IN MILES AND DIRECTION FROM NE	AREST TOWN OR TOST WITE			San Juan	New Mexico
	16. No.	OF ACRES IN LEASE	17. NO. 91	ACRES ASSIGNAD	
LOCATION TO NEAREST				Wir 160 Chac	
PROPERTY OR LEASE LINE, FT. (Also to nearest drig, unit line, if any) 790 - Both 1280 Ac. Total 320 (Also to nearest drig, unit line, if any) 790 - Both 19, PROPOSED DEPTH 20, R			20. ROTAR	HV. 160 Chac.	
TO STAREST WELL, DRILLING, COST CO.	[O71' North	300'	Rota.	r v	
OR APPLIED FOR, ON THIS LEASE, FI.	<u> </u>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		22. APPROX. DATE WO	
21. ELEVATIONS (Show whether DF, RT, GR, etc.)	Hi, ungr.			Dirt Work -	When appl rec
· - · · · ·	PROPOSED CASING AND	CEMENTING PROGRA	M	Hat. 5/1-10/	77
23.	.,		<u></u>	QUANTITY OF CEMEN	······································
SIZE OF HOLE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	200 8	x (Circ to sur	
12-1/4" E-5/8" OD	24#			ex (2 - stage)	
7-7/c" 5-1/2" OD	15.5#	<u> </u>	120 8	X (Z - BUAGO)	
perforate, test, stimulate formations. ue to the topography of the from the outer lease bound graphic reasons, and appropriate testing the formation of the formation of the from the outer lease bound graphic reasons, and appropriately the formation of the form	he area, it has be ary. Spacing orderer Certified Logarian Place Use	meen necessary lers provide for location is re- location Plat an w/ att. and Operations	to stak r a 200 questec	te this location to tolerance for att.	on 790° topo-
sh. SED College or State office use	A true	Operations lar		ent e e ste nte e tr ible . E	LE/77
PERMIT NO		OI L BUTTON WOLLD			
APPROVED BY	TITLE			DATE	

*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C Supersede. Effective 1-1-,

All distances must be from the outer boundaries of the Section. Well No. peratrit Hammond WN Federal AtlanticRichfieldCompany hit Lett⊖r San Juan 8 West 27 North 35 toral 1 1450 North feet from the 790 ext Pool Ar alacing Formation and it, vot i lev. Blanco Mesaverde & Largo Chacra 320 & **3**60 Mesaverde & Chacra 6695 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 interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling.etc? N/A - 100% Atlantic Richfield Company 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, climinating such interests, has been approved by the Commis-CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Operations Manager Atlantic Richfield Company April 18, 1977 Atlantic Richfield Company Lease Nd. SF-078180 E/2 Section 35 LAND LAND THE ME Contion SEC. 35 ghighis plat was promed from field April 1, 1977 Registered Professional Engineer and/or Land Surveyor Certificate No. 3602 E.V.Echohawk LS

HAMMOND WM. FEDERAL, WOLL #7 M/ NE Section 35-27H-8W San Juan County, New Mexico

Surface Formation: Tertiary - Wasatch

Ojo Alamo (base) 20501 2. Geologic Markers: 28051 Pictured Cliffs

37451 Chacra 43751 Mesaverde 52451 Mancos

1940' 3. Anticipated Mineral Bearing Formations: Ojo Alamo (Poss. Water) 28051 Pictured Cliffs (Poss. Gas) -

37451 Chacra (Poss. Gas) Mesaverde (P^Oss. Gas) 43751

Surface - 2501 8-5/8"OD 2L# J-55 New le. Casing Program: 5-1/2"OF 15.5# J-55 New Prod'n. - T.D.

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.

Gel and lime to drill surface hole and set casing. - 250' - 3395' 2501 6. Drilling Fluid: Water w/gell chemical addition to maintain hole. 2501 Low solids non dispersed: 9-9.2#; vis 38-45; 33951 T.D. water loss 8 cc or less. Maintain weight material on location.

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

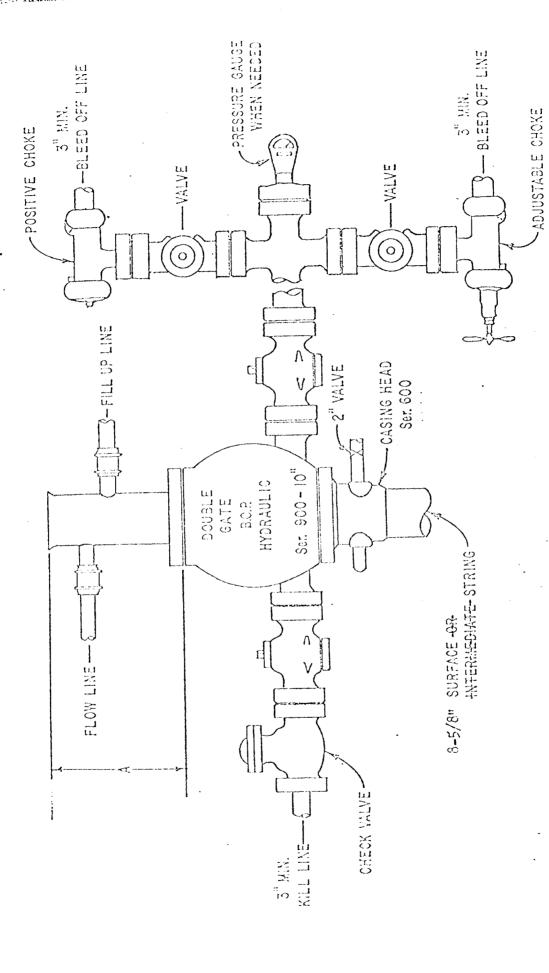
At this time no drill stem tests or cores are planned. 8. Testing, Logging, Coring: Hole conditions, or information obtained while drilling, may alter these plans.

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

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

- 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.
- NO. Starting Date- Completion: Upon receipt of the District Engineer's approval to drill, building of the road and location will be commenced, requiring approximately 7 days. Moving in and rigging up should require 3 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 35 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 3rd well of a five well drilling program, after completion of the road and location, noving in and drilling operations are estimated to commence about June 10th, 1977.



HAMMAND WH FEITHALL, WELL #7
NW NE Section 35-27N-8W
San Juan County, New Mexico

HAMMOND WN FEDERAL, WELL #7 NW NE Section 35-27N-8W San Juan County, New Mexico

Road - Planned 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. 1-3/4 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 SM/4 Sec. 26 29N-9M. From "Fivemile Crossing", proceed approx 7 miles southeasterly, then turning right about the C SE/4 Sec. 33-28N-8M, up Fresno Canyon-Hollis Pass Road. Follow road to top of Blanco Mesa, then generally south to the SM/4 Sec.33-27N-8W (approx 10 mi after leaving Canon Largo). Turn back northeasterly approx 1-1/2 mi to access road. None of the existing roads will require improvement.

Existing roads as set forth above, and roads within a 1-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 will leave the existing road near the disconnected well in SW/4 Sec.27-27N-CW. A dim jeep trail extends southeasterly and will be improved approximately 1-1/2 miles to the location. A minimum amount of grading will be done and the natural drainage will be altered very little, if any. No grades will be in excess of 8%. There will be no major cuts, 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 with rock, and no special surfacing material will be required.
- 3. Existing Wells: As shown on the attached Map.
- h. Emisting/Proposed Facilities: Atlantic's facilities within a one mile radius are as follows: Mell #1, SW/h Sec. 25; Well #2, SE/h Sec. 35; Well #3, NE/h Sec. 35; and Well #6, SW/h Sec. 26: are all Pictured Cliffs gas well, each having approx. 100' of buried gas line to gas gathering company's facilities.

This well is a proposed dual Chacra & Mesaverde completion. The maximum facilities anticipated to be required would be two Lanks and tow 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' x 36' (two tanks) x 10" high with h" peagravel or sand on top. The production unit(s) pad would be approx 18' x 2h' (Incl small drain pit) and the units 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 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, Grahan #8, FM/h Sec. 3-27N-8W, and Marron #7, NE/h Sec. 22-27N-8W. Both sources shown on Map 2. The water will be trucked and no new roads, or road improvements, will be required.
- 6. Construction Materials: Since the surface is sandy with rock, no construction materials will be required.
- 7. Waste Disposal: Cuttings and drilling fluids will be disposed of in the reserve pit. A trash, or burn, pit will be used to dispose of trash, garbage, ect..(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 skinned and disposed of immediately after the completion rig is moved off. Oil produced during completic will be held in a temporary tank for later disposition. Trash and debris cleanup will commence as room as completion rig moves out, and final cleanup and contouring will begin as seen as possible.

- 8. Ancillary Facilities: No ancillary facilities are proposed.
- 9. Well Site Layout: Per the attached sketches. The reserve pit, which will be approx. 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 fit fenced for protection of livestock and wildlife. Uther than the area needed for operation and production facilities, the site will be contoured as near as possible to its originan state. Gas line ditch will be backfilled and the access road graded for proper drainage and minimum surface damage. Reseading, of any other restoration, will be as specified by the Bureau of Land Management.
- 11. Other Information: This location slopes Northeast to southwest, and will require an approximate 2' cut on the North & East sides with 2' fill on the South and west sides. Surface is sandy with rock. Vegetation is pinon, and juniper trees, sage brish, morman tea, prickly pears, yucca, and sparse clumps of native grasses. There are no dwellings in the area and no water wells.

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

With the short period of operations and the 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. Lessee's or Operator's Representative:

Mr. W. A. Walther, Jr
Atlantic Richfield Company
1860 Lincoln Street, Suite 50%
Denver, Colorado 80295
Phone: A/c 303 573 h0h9
Res: A/C 303 798-5729

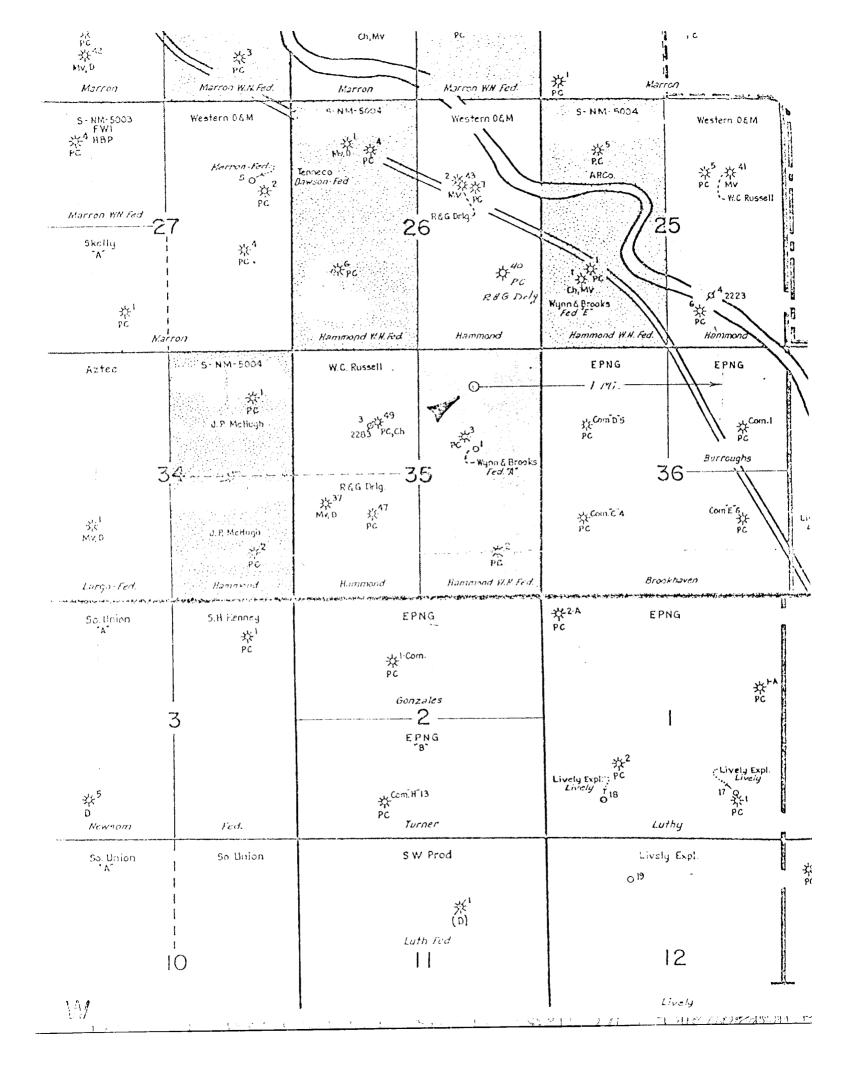
Mr. B. J. Sartain
Atlantic Richfield Company
1860 Lincoln Street, Suite 501
Denver, Colorado 80295
Phone: A/C 303 573-1053
Res: A/C 303 770-7819

Local Representative:

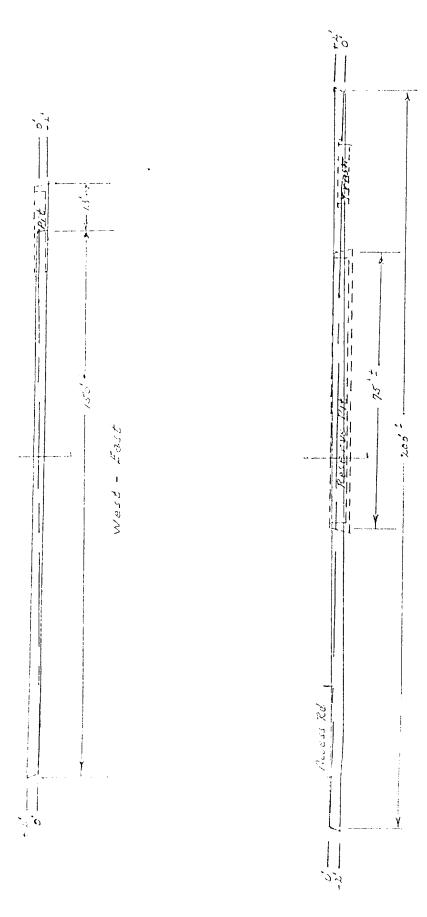
Mr. J. E. Taylor
Atlantic Richfield Company
P. O. Box 2197
Farmington, New Mexico 87401
Phone: A/C 505 325-7527
Res: A/C 505 325-7968

13. Certification: 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, true and correct; and that the work associated with the operations proposed herein will be performed by Atlantic Richfield Company and its contractors and subsontractors in conformity with this plan and the torms and conditions under which it is approved.

1/2/P-7/2 Vate W. A. Walther, Jr. m Operations Manager



DDDDAccess Boad CAT-WALK RACKS SYCKS. D12.6. Ç-ENGINE AND WELL * House · MUULKIK : - Nound SWNd. WATER TANK-7.7 RAGH GRADED LOCATION



MANNE Section 35-27M-SW San Juan County, Now Mexico

