Form 9-331 C (May 1963)	UN	I.I [™] [¬] .C.D. COPS ITED STATES	Form approve Budget Bureau 30-005-6	No. 42-R1425.		
	DEPARTME	5. LEASE DESIGNATION				
		OGICAL SURVEY		<u> </u>	NM-12101 6. IF INDIAN, ALLOTTER	
APPLICAII	ON FOR PERMIT	N/A	OR TRIBE NAME			
1	DRILL 🛛 DEEPEN 🗌 PLUG BACK 🗌					AME RECEIVED
D. TYPE OF WELL	GAS WELL X OTHER		SINGLE X MULTI ZONE ZONE	PLE	Rio Felix:	At
WELL 2. NAME OF OPERATOR			ZONE LAJ ZONE	ہے۔	FEDERAL	"JUL 31 1990
JACK GRYNBE	ERG & ASSOCIATES			, * -	9. WELL NO.	Telly servert
3. ADDRESS OF OPERAT			00005		#1 🀔	ARTESIA DESIDE
		50, DENVER, CO		· · · · · ·	10. FIELD AND PODL, OR WILDCAT	
At surface		W NE)	State requirements.*)		WILDCAT '	
At proposed prod.	• •	WINE)			AND SUBVEY OR AR	EA .
Same			·····			
		EAREST TOWN OR POST OFFI			12. COUNTY OR PARISH	
15. DISTANCE FROM PH	ROPUSED*	agerman, New Mex	NO. OF ACRES IN LEASE	17. NO.	Chaves	New Mexico
LOCATION TO NEAR PROPERTY OR LEAS (Also to nearest	SE LINE, FT.		2520.00	TOT	HIS WELL 320	
18. DISTANCE FROM P	18. DISTANCE FROM PROPOSED LOCATION* 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOL					
OR APPLIED FOR, ON		NONE 6	5000'		Rotary	
GR 3654'						980
20.		PROPOSED CASING AN	D CEMENTING PROGR	АМ		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMEN	
24" 12½"	20"	_ <u>Culvert</u> 36#	40'		ment to surface	
7-7/8"	<u> </u>			Good returns to surface		
/-//0	42	10.5#	5200'	50	O' above top of	рау
	12넓" hole to l	ole, set 20" cul 100', set surfac daily reports an	e casing of 9-5		o <u>+</u> 6000'.	
4. Run t	ests if warrant	ed and run 4½" c	asing if produc	tive.		
5. Run 1	ogs, as needed,	and perforate a	nd stimulate as	neede	d.	
2 ⁵⁶ - 1						
preventer program, if	to arill or deepen directio	f proposal is to deepen or nally, give pertinent data	plug back, give data on p on subsurface locations at	resent prod ad measured	uctive zone and proposed and true vertical depths	new productive . Give blowout
signed Arife	a Ehret		GEOLOGIST		July	11, 1980
(This space for Fe	ederal or State office use)					
PERMIT NO.			APPROVAL DATE			
APPROVED BY CONDITIONS OF APPR	IOVAL, IF ANY :	TITLE		. <u> </u>	DATE	

EXHIBIT "A"

Form C-102 Supersedes C-128 Effective 1-1-65

N MEXICO OIL CONSERVATION COMMIS: 4 WELL LOCATION AND ACREAGE DEDICATION PLAT

		All distances mus	t be from the outer	boundaries of t	the Section.	·	
Operator			Leagen	Felin be	~~~~~~/?	2/0/	Well No.
	vnberg & A			Pedera	1		1-20 Frederich
Unit Letter	Section	Township	Range		County		
G	25	14 South	24	East	Chaves		
Actual Footage Loc	ation of Well:						
1980	feet from the NO	rth line	and 1980	feet	from the ES		line
Ground Level Elev:	Producing Fo	rmation	Pcol			Dedi	cated Acreage:
3654					·		320 Acres
1. Outline th	e acreage dedica	ated to the subjec	t well by color	red pencil o	hachure mar	ks on the pla	at below.
	6	•	-	-			
2. If more th	an one lease is	dedicated to the	well, outline e	ach and ide	ntify the owne	ership thereo	of (both as to working
	nd royalty).					-	
3. If more that	an one lease of (different ownership	is dedicated t	o the well, l	have the inter	ests of all	owners been consoli-
		unitization, force-					
			-				
📄 Yes 🎋	No If a	answer is "yes," ty	pe of consolida	ation		· · · · · · · · · · · · · · · · · · ·	
			-				
If answer	is "no," list the	owners and tract	descriptions wh	nich have ac	tually been c	onsolidated.	(Use reverse side of
	f necessary.)					· · ·	
							tization, unitization,
forced-poo	ling, or otherwise) or until a non-sta	ndard unit, elin	ninating suc	h interests, h	as been appi	roved by the Commis-
sion.		F					
·····							
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			1			I hereby certify	that the information con-
			- I				s true and complete to the
						best of my know	wledge and belief.
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	1					notes of actua	I surveys made by me or
	L		DAN R.	REDDI		under my super	vision, and that the same
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N.M.O.C.D. COPY



United States Department of the Interior

GEOLOGICAL SURVEY P. O. Drawer U Artesia, New Mexico 88210

July 28, 1980

Jack Grynberg & Associates 1050 17th Street, Suite 1950 Denver, Colorado 80265 JACK GRYNBERG & ASSOCIATES "#5" FEd No. 1 1980 FNL 1980 FEL Sec. 25 T.14S R.24E Chaves County Lease No. NM-12101 Rea Fact Above Data Required on Well Sign

Gentlemen:

Your APPLICATION FOR PERMIT TO DRILL the above-described well to a depth of 6,000 feet to test the Mississippian is hereby approved subject to compliance with the OIL AND GAS OPERATING REGULATIONS (30 CFR 221) and the following conditions:

- 1. Drilling operations authorized are subject to compliance with the attached General Requirements for Oil and Gas Operations on Federal Leases, dated July 1, 1978.
- 2. Prior to commencing construction of road, pad, or other associated developments, operator will provide the dirt contractor with a copy of the Surface Use Plan and these Conditions of Approval including the attached General Requirements.
- 3. All access roads will be limited to a 12 foot wide driving surface, excluding turnarounds. Surface disturbance associated with road construction will be limited to 20 feet in width.
- 4. Submit a Daily Report of Operations from spud date until the well is completed and the Well Completion Report (form 9-330) is filed. The report should not be less than 8" x 5" in size and each page should identify the well.
- 5. All permanent above-ground structures and equipment shall be painted in accordance with the attached Painting Guidelines. The color used should simulate Sandstone Brown (Federal Standard No. 595A, color 20318 or 30318).
- 6. Before drilling below the 9-5/8" casing, the blowout preventer assembly will consist of a minimum of two ram type preventers.
- 7. A kelly cock will be installed and maintained in operable condition.

- 8. After setting the 9-5/8" casing string and before drilling into the Wolfcamp formation, the blowout preventers and related control equipment shall be pressure tested to rated working pressures. Any equipment failing to test satisfactorily shall be repaired or replaced.
- 9. Notify the Survey by telephone 24 hours prior to spudding well.
- 10. Notify the Survey in sufficient time to witness the cementing of the 9-5/8" casing.
- 11. Cement behind the 20" and 9-5/8" casing must be circulated.
- 12. Please have anyone contacting the Survey in regard to this well to identify the well with all of the information required above for the well sign.

1 3

Sincerely yours,

George H. Stewart Acting District Engineer

. . . .

EXHIBIT "B"

TEN-POINT COMPLIANCE PROGRAM

OF NTL-6 APPROVAL OF OPERATIONS

Attached to Form 9-331C Jack Grynberg & Associates #1-25 Federal SW NE Sec. 25, T14S - R24E 1980' FNL & 1980' FEL Chaves County, New Mexico

1. <u>The Geologic Surface Formation</u>

The surface formation is Quaternary alluvium, overlying the Permian Artesia Group.

2. <u>Estimated Tops of</u> Important Geologic Markers

Abo	3650'
Wolfcamp	5150'
Pennsylvanian	5500'
Penn Sand	5800'
Mississippian	5900'
Total Depth	5900 [.] 6000'

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

Pennsylvanian Sand 5800' Gas

4. <u>The Proposed Casing Program</u>

HOLE	INTERVAL	SECTION	SIZE	WEIGHT, GRADE	OR
SIZE		LENGTH	(OD)	& JOINT	USED
24"	0-40'	40'	20"	Culvert	New
12¼"	0-1100'	1100'	9-5/8"	36# K-55 ST&C	New
7-7/8"	0-6000'	6000'	4½"	10.5# K-55 ST&C	New

Cement Program

- (a) <u>Surface Casing</u>: Cement casing with good returns to surface.
- (b) <u>Production Casing</u>: Cement 500' above top of pay with neccesary number sacks.

NE1.

5. The Operator's Minimum Specifications for Pressure Control

EXHIBIT "C" is a schematic diagram of the blowout preventer equipment. The BOP's will be hydraulically tested to the full working pressure after nippling up and after any use under pressure. Pipe rams will be operationally checked each 24-hour period, as will blind rams each time pipe is pulled out of the hole. Such checks of BOP will be noted on daily drilling reports.

Accessories to BOP will include a kelly cock, floor safety valve, drill string BOP and choke manifold with pressure rating equivalent to the BOP stack.

6. The Type and Characteristics of the Proposed Circulating Muds

Mud system will be gel-chemical with adequate stocks of sorptive agents on site to handle possible spills of fuel and oil on the surface. Heavier muds will be on location to be added if pressure requires.

INTERVAL	TYPE	WEIGHT #/gal.	VISCOSITY-sec./qt.	FLUID LOSS
0-1100' 1100'-TD	Native mud			
1100 -10	Chemical gel	9.5	42	7

- 7. The Auxiliary Equipment to be Used
 - (a) A kelly cock will be kept in the string.
 - (b) A float will be used at the bit.
 - (c) A gas detecting device will be monitoring the system.
 - (d) A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly is not in the string.

8. The Testing, Logging and Coring Programs to be Followed

- (a) DST's will be as required.
- (b) The logging program will consist of a Dual Induction Focused Log and a porosity log as required from 2,000' to total depth. Other logs will be determined at well site to best evaluate any shows.
- (c) No coring is anticipated.
- (d) Stimulation procedures will be determined after evaluation of logs. If treatment is indicated, appropriate Sundry Notice will be submitted.

9. Any Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well. Bottom hole pressure expected is \pm 3000 psi.

No hydrogen sulfide or other hazardous fluids or gases have been found, reported or known to exist at these depths in the area.

10. Anticipated Starting Date and Duration of the Operations

The well will be spudded on July 31, 1980. A deep rig will be brought to location as soon as practicable thereafter. Operations should be completed within 30 days after spudding the well and drilling to casing point.

EXHIBIT "C" Blowout Preventer Diagram

UNIVERSAL DRILLING CAMPANY

Rig #7 110 NATL B.O.P. Stack



All Iters H28 Trimmed

EXHIBIT "D"

MULTI-POINT REQUIREMENTS TO ACCOMPANY A.P.D.

Attached to Form 9-331C Jack Grynberg & Associates #1-25 Federal SW NE Sec. 25, T14S, R24E 1980' FNL & 1980' FEL Chaves County, New Mexico

1. Existing Roads

- A. The proposed well site and elevation plat is shown as EXHIBIT "A".
- B. The distance from Hagerman, New Mexico is 12.3 miles. Proceed west from Hagerman on a paved road, Highway 558, a distance of 2.5 miles. Turn left, following Highway 558, and proceed south one mile. Turn right, and proceed west a distance of 4.2 miles on Highway 558 to the intersection with Highway 285. Turn left and proceed south a distance of one mile on Highway 285. Turn right onto Highway 13, a paved road, and proceed west a distance of 3.2 miles to the point where the new access road will begin, then turn left and proceed south 0.4 mile on the new access road to location, as shown on EXHIBITS "E" and "E1".
- C. All roads to location are color-coded on EXHIBITS "E" & "E₁". An access road 0.4 miles from the existing Highway 13 will be required, as shown on EXHIBITS "E" & "E₁".
- D. This is an exploratory well. All existing roads within a three-mile radius are shown on EXHIBIT "E $_1$ ".
- E. N/A
- F. None of the existing roads will require upgrading.

2. <u>Planned Access Roads</u>

Map showing all necessary access roads to be constructed or reconstructed is shown as EXHIBIT "E $_1$ " for the following:

- (1) The maximum width of the running surface of the 0.4 mile of access road, extending beyond the existing State Highway 13 will be 18'.
- (2) The grade will be 8% (eight percent) or less.
- (3) No turn outs are planned.
- (4) Appropriate water bars will be constructed to assure drainage off location to conform with the natural drainage.
- (5) No culverts are needed. No side hill cuts are needed.

- (6) Surfacing materials will be native soil.
- (7) A cattle guard will be needed at the property line.
- (8) The new access road to be constructed was staked and centerline flagged, as shown on EXHIBIT " E_1 ".
- 3. Location of Existing Wells

For all existing wells within a two-mile radius of exploratory well, see EXHIBIT "E $_1$ ".

- (1) There are 5 windmill-assisted water wells within a two-mile radius of this location, as shown on EXHIBIT "E₁". These are in C S/2 S/2 Section 18, T14S - R25 E, C Section 29, T14S - R25E, NE SE Section 36, T14S - R24E, NW corner Section 35, T14S - R24E, and SE SE Section 26, T14S - R24E.
- (2) There is one abandoned well in this two-mile radius, at location of NWNW Sec. 31, T14S, R25E, converted to a water well.
- (3) There are no temporarily abandoned wells.
- (4) There are no disposal wells.
- (5) There are no wells presently being drilled.
- (6) There are no producing wells within this two-mile radius.
- (7) There are no shut-in wells.
- (8) There are no injection wells.
- (9) There are no monitoring or observation wells for other uses.
- 4. Location of Existing and/or Proposed Facilities
 - A. Within a one-mile radius of location the following existing facilities are owned or controlled by lessee/operator:
 - (1) Tank Batteries: None
 - (2) Production Facilities: None
 - (3) Oil Gathering Lines: None
 - (4) Gas Gathering Lines: None
 - (5) Injection Lines: None
 - (6) Disposal Lines: None

- B. If the Well is productive, new facilities will be as follows:
 - Production facilities will be located on solid ground of cut area of drill pad, as shown on <u>EXHIBI</u>T "F".
 - (2) All well flow lines will be buried and will be on the well site and battery site.
 - (3) Facilities will be 400 feet long and 400 feet wide.
 - (4) All construction materials for battery site and pad will be obtained from site. No additional material from outside sources is anticipated.
 - (5) Any necessary pits will be fenced and flagged to protect livestock and wildlife.
- C. Rehabilitation, whether well is productive or dry, will be made on all unused areas in accordance with B.L.M. stipulations.

5. Location and Type of Water Supply

- A. The source of water will be the converted water well in NW NW Section 31, T14S, R25E, on EXHIBIT "E1".
- B. Water will be transported by truck over existing roadways.
- C. No water well is to be drilled on this lease.

6. <u>Construction Materials</u>

- A. No construction materials are needed for drilling and access roads into the drilling location unless well is productive. The surface soil materials will be sufficient or will be purchased from Dirt Contractor as needed.
- B. No construction materials will be taken off Federal land.
- C. All surface soil materials for construction of access roads are sufficient.
- D. All major access roads presently exist as shown on EXHIBIT " E_1 ".

7. Handling of Waste Materials and Disposal

- (1) Drill cuttings will be buried in the reserve pit and covered.
- (2) Drilling fluids will be handled in the reserve pit.
- (3) Any fluids produced during drilling test or while making production test will be collected in a test tank. If a test tank is not available during drilling, fluids will be handled in reserve pit. Any spills of oil, gas, salt water or other noxious fluids will be cleaned up and removed.

- (4) Chemical facilities will be provided for human waste.
- (5) Garbage, waste, salts and other chemicals produced during drilling or testing will be handled in trash/burn pit. Drill fluids, water, drilling mud and tailings will be kept in reserve pit, as shown <u>EXHIBIT "G"</u>. The trash/burn pit will be totally enclosed with small mesh wire to prevent wind scattering trash before being burned or buried. Reserve pit will be fenced on three sides and the fourth side fenced upon removal of the rig.
- (6) After the rig moves out, all materials will be cleaned up and no adverse materials will be left on location. Any dangerous open pit will be fenced during drilling and kept closed until such time as the pit is leveled.

8. Ancillary Facilities

No air strip, camp or other facilities will be built during drilling of this well.

9. <u>Well Site Layout</u>

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- <u>EXHIBIT "G"</u> is the Drill Pad Layout as staked by Mr. Dan R. Reddy of Carlsbad, New Mexico. The drillsite is essentially flat. Topsoil will be stockpiled per BLM specifications determined at time of pre-drill inspection.
- (2) <u>EXHIBIT "H"</u> is a plan diagram of the proposed rig and equipment, reserve pit, trash/burn pit, pipe racks and mud tanks. No permanent living facilities are planned. There will be a trailer on site.
- (3) EXHIBIT "G" is a diagram showing the proposed production facilities layout.
- (4) The reserve pits will not be lines. Steel mud tanks may be used during drilling operations.

10. Plans for Restoration

- Backfilling, leveling and contouring are planned as soon as all pits have dried. Waste disposal and spoils materials will be buried or hauled away immediately after drilling is completed. If production is obtained, the unused area will be restored as soon as possible.
- (2) The soil banked material will be spread over the area. Revegetation will be accomplished by planting mixed grasses as per formula provided by the BLM. Revegetation is recommended for road area, as well as around drill pad.
- (3) Three sides of the reserve pit will be fenced during drilling operations. Prior to rig release, the reserve pit will be fenced on the fourth side to prevent livestock or wildlife from becoming entrapped; and the fencing will be maintained until leveling and cleanup are accomplished.

- (4) If any oil is on the pits and is not immediately removed after operations cease, the pit containing the oil or other adverse substances will be flagged overhead or covered with wire mesh.
- (5) The rehabilitation operations will begin immediately after the drilling rig is removed. Removal of oil or other adverse substances will begin immediately or area will be flagged and fenced. Other cleanup will be done as needed. Planting and revegetation is considered best in Spring, 1981, unless requested otherwise.
- 11. Other Information
 - (1) The soil is a sandy-clay loam. The area is covered with native grass. There are livestock, rabbits, and antelope in the area. The location is situated in an area of nearly level ground. The area around the location drains to the east.
 - (2) The primary surface use is for grazing. The surface is owned by Mr. Clay Hunt of Bracketville, Texas.
 - (3) The closest live water is the Pecos River, approximately 12 miles east of location, as shown on <u>EXHIBIT</u> "E".

The closest occupied dwellings are located 1.2 miles west-southwest of location, as shown on EXHIBIT "E $_1$ ".

There are no known archaeological, historical or cultural heritages that will be disturbed by this drilling.

- (4) There are no reported restrictions or reservations noted on the oil and gas lease.
- (5) Drilling is planned for on or about July 31, 1980. It is anticipated that the casing point will be reached within 30 days after commencement of drilling.
- 12. Lessee's or Operator's Representative

Morris Ettinger

Gayle Ehret

Jack Grynberg & Associates 1050 17th Street Suite 1950 Denver, CO 80265 Phone (303)572-1455

Jack Grynberg & Associates 1050 17th Street Suite 1950 Denver, CO 80265 Phone (303)572-1455

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 Jack Grynberg & Associates and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

11, 1950

Hayle A. Ehret Gayle A. Ehret

JACK GRYNBERG & ASSOCIATES





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Jack Grynberg & Associates #1-25 Federa1 SW NE Sec. 25 T14S R24E Chaves Co., New Mexico

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Jack Grynberg & Associates #1-25 Federal SW NE Sec. 25, T14S R24E Chaves Co., New Mexico

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Form M-201 Revised 8-2-68

STATE HIGHWAY DEPARTMENT OF NEW MEXICO

SANTA FE, NEW MEXICO

Orig.-G.O. Files (White) 1 copy-District Engineer (Blue) 1 copy-Applicant (White) 3 copy-Traffic Services Engr. (Pink)



District No.	
State Hwy. No.	و
Project No.	
Permit No.	

APPLICATION FOR PERMIT TO CONSTRUCT DRIVEWAY ON PUBLIC RIGHT OF WAY

To: STATE HIGHWAY DEPARTMENT OF NEW MEXICO Attn: DISTRICT HIGHWAY ENGINEER

	1050 17th St. Suite #1950			
APPLICATION is hereby made by Jack Grynberg & Assoc.	Denver, Colo, 80265			
For permission to construct driveway(s) at the following described location				
Section 25, T14S, R24E, Chaves Co., N.M., along State Highway 13				

in Chaves _____ County, along State Highway No. 13 _____ in accordance with attached

plan or sketch. Work will commence on or about as soon as possibled will require approximately 5 days.

Gate (), Cattleguard KX9, Additional Fence (), will be required which applicant agrees to furnish and hereafter maintain in good repair and closed to livestock.

If this permit is granted, we further agree to comply with all the conditions, restrictions and regulations of the State Highway Department.

"The undersigned will at all times indemnify and save harmless, including legal costs, the State of New device, State Highway Commission, State Highwayingineer and employees of said Department from suits and claims of every kind or character caused by accident to, or arising out of, the use of said driveway, the installation thereof, or the placing of said driveway, or appustmences is connection thereto er subsection."

_____ day of___

Jack Grynberg & Associates By MUM Dan R. Reddy Engineer & Land Surveyor Title_

Subject to the above stated conditions and the following additional requirements:

This was hand delivered A Raeweev 17-10-80 to Hank Smith

PERMIT granted this.....

STATE HIGHWAY DEPARTMENT OF NEW MEXICO

_. 19___

By.

District Highway Engineer