SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES

ć	31	- <i>(</i> 13	9-3	2 Z.	5-98	
5	, I-EA	SE DES	IGNATI	ON ANI	SEILIAL	NO.

•	DEPARTMENT	OF THE IN	HER	UK		1	5. LEASE DESIGNATION	AND SERIAL NO.	
	GEO! OG	ICAL SURVE	Υ				SF 078893		
APPLICATION				N, OR PL	UG BA	ACK_	6. IF INDIAN, ALLOTTER	OR TRIBE NAME	
O TYPE OF WORK					IG BACI		7. UNIT AGREEMENT N	AME	
DRIL	L 🖾	DEEPEN [_}	PLU	G BAC		Rosa Unit		
b. Type of Well OIL GAS WELL WEL			81N 701	GLE X	MULTIPLE ZONE		S. FARM OR LEASE NA	ME	
. NAME OF OPERATOR	(203)	861-2226					9. WELL NO.		
Mitchell Energy	y corp. (303)	301 2220					84		
	a 1670 Broad	wav. Denver	, Co.	Lorado 8	30202		10. FIELD AND POOL, o		
Pop	Das Virgin clearly and	In accordance wir	u auj o	ate if quite	uts.•)		1		
At surface 890' F	NL 1060' FEL S	ec23, T-3	31N,	R-4W			11. SEC., T., R., M., OR AND SURVEY OR A	BLK. REA	
At proposed prod. zone	Dakota Format	ion					Sec23,T-3		
14. DISTANCE IN MILES AS	ND DIRECTION FROM NEAT	EST TOWN OR POS'	r office	•			12. COUNTY OR PARISI		
58 Mi. North	neast of Blanco	, New Mexic	co				Rio Arriba	N.M.	
15. DISTANCE FROM PROPOS			16. NO	OF ACRES IN	LEASE	17. NO. TO T	OF ACRES ASSIGNED THIS WELL 320		
LOCATION TO NEAREST	NE ET 89	O' FNL	19	20			<i>F1</i>		
(Also to nearest drig.	unit line, if any)		19. PR	OPOSED DEPTH		20. ROTA	ROTARY OR GABLE TOOLS		
TO NEAREST WELL, DR OR APPLIED FOR, ON THIS	11,1,1,1,1, (1),112,110,110,	ne	87	00'		Rota	otary		
21. ELEVATIONS (Show whet							January 1, 1981		
6841' GR							January 1,		
23.		PROPOSED CASI	NG ANI	CEMENTING	G PROGRA	.M			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	оот	SETTING	DEPTH		QUANTITY OF CEM		
14 3/4"	10 3/4"	32.75#		0-350'		Ce	ment to Surfac	2 Stages	
9 1/2"	7"	26#		0-4000'			ox. 400 SX. ir	1 Z Stages	
6 1/8"	4 1/2"	11.6#		3600-870	0'	Appr	ox. 400 SX		
will be abandon Dakota will be Exhibits Atta Ten Point Com Multipoint Re#1 Blowout Pr#2 Location a #3 Access Roa	pliance Progra equirements for eventor Schema and Elevation P	er consiste roductivity m APD tic	This	#7 Cut a #8 Drill	ubject to a to 30 CF and Fil ling Ri er of A	dministra R 290. l Cros	ss Section out		
#4 Access Roa			DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED						
<pre>#5 Radius Map #6 Production Facilities</pre>			ŝ	UBJECT TO C	OMPLIANO	JE WITH	ATTACHEU TO	0,001	
in above space describ zone. If proposal is to preventer program, if ar	e proposed program: I	f proposal is to de nally, give pertine		plug back, giv on subsurface	1 4	neacont ne	roductive zone and pro- ired and true vertical de	osed few producti pths. Giv blowo	
SIGNED SLLY	ich		ritle _	istrict	Prod. I	Mngr.	DATE11	./4/80	
(This space for Fed	A C	ED DED		APPROVAL DA	ATE				
APPROVED BYCONDITIONS OF APPRO	CANALS F. S.	amolf MS NEER	TITLE	MOCC	6.1-		DATE		

World (104 for spector charge

ck 3~

OIL CONSERVATION D. VISION

Form C-107 kevised 10-1-7 P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Y TIO MINERALS DEPAI	All distances	must be from the	cuter fround	etes of the !	rellen.	Well No.
erator		Leas				84
ITCHELL ENERGY C	ORPORATION		ROSA UNIT	Coun	У	
it Letter Section	Township	İ	ΓM		Rio Arriba	
23	31N	1			_	
ual Footage Location of W	37LL	line and	1060	feet from		line
90 feet from und Level Elev: Programme Program	roducing Formation	Pool			Ded	Ucated Acreoger 220 Acres
2) -	Dakota		Basin Da	kota		<u> </u>
0.42	age dedicated to the	subject well !	by colored p	encil or had	thure marks on the	plat below.
If more than one interest and roya	lease is dedicated lty).	to the well, or	itline each i	and identify	the ownership ther	eof (both as to working
Yes N If answer is "no this form if neces	o If answer is "y " list the owners and	tract descrip	tions which	have actua	lly been consolidate	ed. (Use reverse side of unitization, pproved by the Commis-
sion.						CERTIFICATION
 			9901	1060'	tained here best of my	rtify that the information com- in is true and complete to the knowledge and belief. Lac W. Fischer
1 1 1 1 1	Sec.		 		Area Company Mitcl	Prod. Mqr. ell Energy Corp
 		23	1 1 1		ntes of a	old bollet N 9 7 1987
			-		Date Survey Octobe Registered and Lan	OIL CON. 3 Professional Engineer of Surveyor of Survey
	Scale: 1"	1000	Exhibit	# 2	3950	FORM 24

Ten-Point Compliance Program

of NTL-6 Approval of Operations

Attached to form 9-331C
Mitchell Energy Corporation
Rosa Unit #84-23-31-4
NE NE Sec.-23,T-31N,R-4W
890' FNL & 1060' FEL
Rio Arriba, County

1. Geological Name of Surface Formations

The surface formation is Tertiary Rock

2. Estimated Tops of Important Geological Markers

Tertiary Rock Pictured Cliffs Lewis Shale Mesa Verde Mancos Gallop Greenhorn Dakota	Surface 3715' 3815' 5740' 6640' 6990' 8310' 8510'
Dakota Proposed T.D.	8510 ' 8700 '
_	

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

Surface to Top Pictured Cliffs Lewis Shale Mesa Verde Mancos Gallop Greenhorn	3715' 3815' 5740' 6640' 6990' 8310' 8510'	Water Gas Gas Gas Gas Gas
Dakota	8310	Gas

If any water zones are encountered, they will be adequately protected and reported.

4. Casing Program

Hole	 Interval	Section Length	Size (OD)	Wgt., Grade, and Joint	Condition
Size 14 3/4" 9 1/2" 6 1/8"	0-350' 0-4000' 3600-8700'	350' 4000' 5100'	7"	32.75# K-55,ST&C 26# K-55,ST&C 11.6# K-55,ST&C	New New New

Mitchell Energy Corporation Rosa Unit #84-23-31-4 Page 2.

5. Minimum Specifications for Pressure Control

The blowout preventer equipment will be a 10" - 900 Series. The BOP's will be hydraulically tested to 2000 psi for 30 minutes prior to drilling below surface casing 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. At least one kill line (2") will be installed below BOP rams. 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. Type and Characteristics of the Proposed Circulating Fluids

A. Surface and intermediate hole (0-4000') - Fresh water gel system, with the following properties:

Weight #/gal.	Viscosity	Water Loss	
9-10	35-40	10cc.	

B. From under Intermediate (4000'-TD) - Drill with air

7. The Auxiliary Equipment to be Used

- A. A kelly cock will be kept in the string.
- B. A float will be used if lost circulation conditions do not exist.
- C. Visual monitoring of mud tank levels will be required. No special equipment will be used to monitor mud system.
- D. A full opening stabbing valve with drill pipe thread 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. Tests will be run based on good shows on recommendations of the Geologist.
- B. The logging program will consist of a Dual Induction-Laterolog from surface to total depth, Gamma-Ray Compensated Neutron-Formation Density from 4000' to total depth.
- C. No coring is anticipated.
- D. Stimulation procedures will be determined after evaluation of logs and well testing. If treatment is indicated, appropriate Sundry Notice will be submitted.

Mitchell Energy Corporation Rosa Unit #84-15-31-4 Page 3.

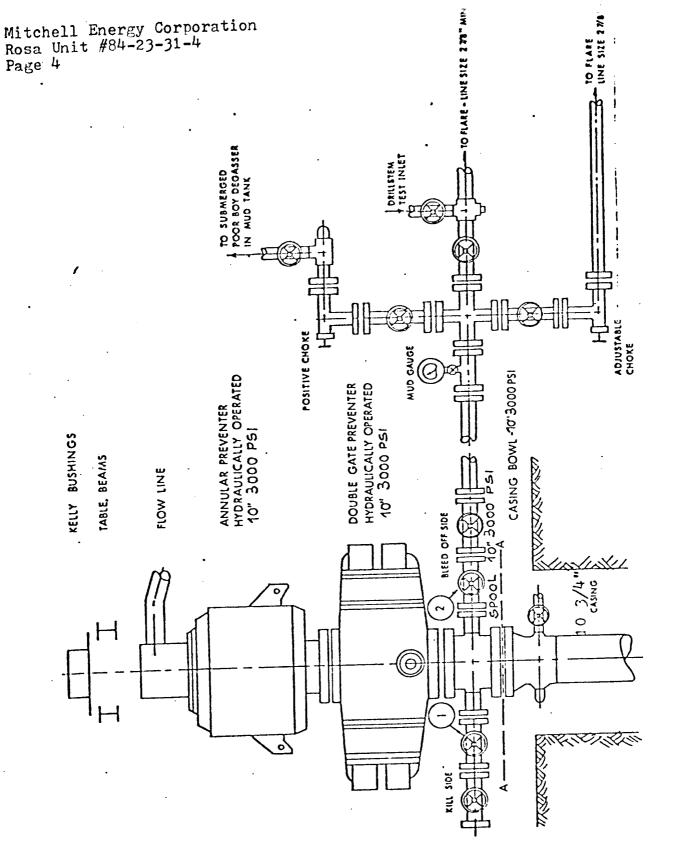
9. Any Anticipated Abnormal Pressures or Temperatures

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 2400 psi. Bottom hole temperature at TD is $200^{\circ}F$.

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 anticipated starting date is set for January 1, 1981, or as soon as possible after examination and approval of drilling requirements. Operations should be completed within 14 days after spudding the well and drilling to casing point.



PRESSURE CONTROL EQUIPMENT

Exhibit # 1

Attached to form 9-331C Mitchell Energy Corporation Rosa Unit #84-23-31-4 NE NE Sec.-23,T-31N,R-4W 890' FNL & 1730' FWL Rio Arriba, County

Existing Roads

- A. Proposed well site: See location and elevation Plat Exhibit 2 and Access Road Exhibits 3 & 4.
- B. From Blanco, New Mexico proceed East on Highway 64 some 40 miles to Road 310 (improved dirt at mile marker 63 on Highway 64). Go north on 310 some 17.6 miles to flagged well site east of Road 310.
- C. All raods to location are color coded on Exhibits 3 & 4. The new access road is traced in black, existing roads are traced in red.
- D. No applicable
- E. Existing roads within a 1 mile radius of well site are shown on Exhibit 4.

2. Planned Access Roads

Pad borders on existing road and therefore no access road is necessary to pad.

3. Location of Existing Wells

For all existing wells within a one mile radius of Development well see Exhibit 5.

- A. There are no water wells within a one mile radius of this location.
- B. There is one abandoned well within a one mile radius.
- C. There are no temporarily abandoned wells.
- D. There are no disposal wells.
- E. There are no wells presently being drilled.
- F. There are no producing wells.
- G. There are no sut-in wells.
- H. There are no injection wells.
- I. There are not 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/ooperator:

- (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:
 - (1) Production facilities will be located on solid ground of drill pad, as shown on Exhibit 6.
 - (2) The facilities will be approximately 200' by 150' (see Exhibit 6)
 - (3) The tank battery will be constructed using a bulldozer to level the site, backhoes to dig trenches and bury lines, and pole trucks, floats and roustabout crews to maneuver and set facility equipment. Construction material will consist of surface soil. No additional material from outside sources is anticipated.
 - (4) In order to protect livestock and wildlife, pits will be fenced and flagged.
- C. Rehabilitation, whether well is productive or dry, will be made on all unused areas in accordance with U. S. Forest Service stipulations.

5. Location and Type of Water Supply

- A. The source of water supply is expected to be a water hole located in the NE¹4 of the NE¹4 of Sec.-7 Twp-3lN Rng.-4W (Exhibit 3). If this proves unfeasibe the nearest and most accessible water source will be used.
- B. Water will be transported by truck over existing roadways.
- C. No water well is to be drilled on this lease.

6. Construction Materials

- A. No construction materials are needed for drilling well or constructing 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 3 and 4.

7. Handling of Waste Materials and Disposal

- A. Cuttings not retained for evaluation purposes will be dumped into the reserve pit.
- B. Drilling fluids will be handled in the reserve pit.
- C. Produced water will be dumped to the reserve pit. Produced oil will either be collected in tanks or dumped to the reserve pit, depending on volume and occurence. If the volume of oil is sufficient, it will be trucked from the location.
- D. A portable toilet will be provided for human waste.
- E. Garbage and other waste a trash/burn pit will be constructed and fenced with woven wire, at the commencement of operations, to prevent wind scattering trash before being burned or buried.
- F. All pits will be filled and the well site will be leveled and reseeded, as per Forest Service specifications, when pits are dry enough to fill and weather permits. Only that part of the pad required for producing facilities will be kept in use. In the event of a dry hole, only a dry hole marker will remain.

8. Ancillary Facilities

None

9. Well Site Layout

- A. Drill pad cross sections: see Exhibit # 7.
- B. Drilling equipment location: see Exhibit # 8.
- C. Rig orientation: see Exhibit # 8.
- D. Reserve pit will not be lined.

10. Plans for Restoration

- A. Upon completion of operations and if the well is to be abandoned, the location will be backfilled, leveled and contoured to as nearly the original topography as is feasible as soon as the pits have dried. Waste pits will be backfilled. The location will be reseeded as per Forest Service recommendations.
 - All spoils materials will be segregated according to combustibility and burned or buried.
 - B. Revegetation will be achieved by seeding with a seed mixture recommended by the Forest Service. Access roads built by Mitchell Energy Corporation will be rehabilitated in the same manner as the location, if the well is to be abandoned.
 - C. 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 clean-up are accomplished.
 - D. If any oil is on the pits and is not immediately removed after operations ceases, the pit containing the oil or other adverse substances will be flagged and fenced. Other clean-up will be done as needed. Planting and revegetation is considered best in Spring 1981, unless requested otherwise.

11. Other Information

- A. The soil is sandy clay loam. The location sits in rocky, hilly canyon bottom with alluvial surface deposits, and sandstone outcrops. The vegetation is sagebrush, rabbitbrush, mountain mahogany, pinnon, juniper, spruce, greaseweed, and galleta.
- B. The primary surface use is for grazing. The surface is owned by the U. S. Government.
- C. (1) The closest live water is Bancos Canyon Wash as shown on Exhibit 4. Water flow in the wash is intermittant and during runoff only.
 - (2) The closest occupied dwelling is the Bixler Ranch located approximately 14 miles north of Highway 64 on Road 310.
 - (3) There are no known archaeological, historical, or cultural heritages that will be disturbed by this drilling.
- D. There are no reported restrictions or reservations noted on the oil and gas lease.
- E. Drilling is planned for on or about January 1, 1981, that the casing point will be reached within 14 days after commencement of drilling.

Mitchell Energy Corporation Rosa Unit #84-23-31-4 Page 5.

12. Lessee's and Operator's Representative

S. J. Pagano Agent for Mitchell Energy Corp. 7892 So. Garfield Way Littleton, Colorado 80122

(303) 771-9799

Mr. S. J. Pagano

Mitchell Energy Corp. 3200 Amoco Building 1670 Broadway Denver, Colorado 80202

(303) 851-2226

Mr. Brad Fischer

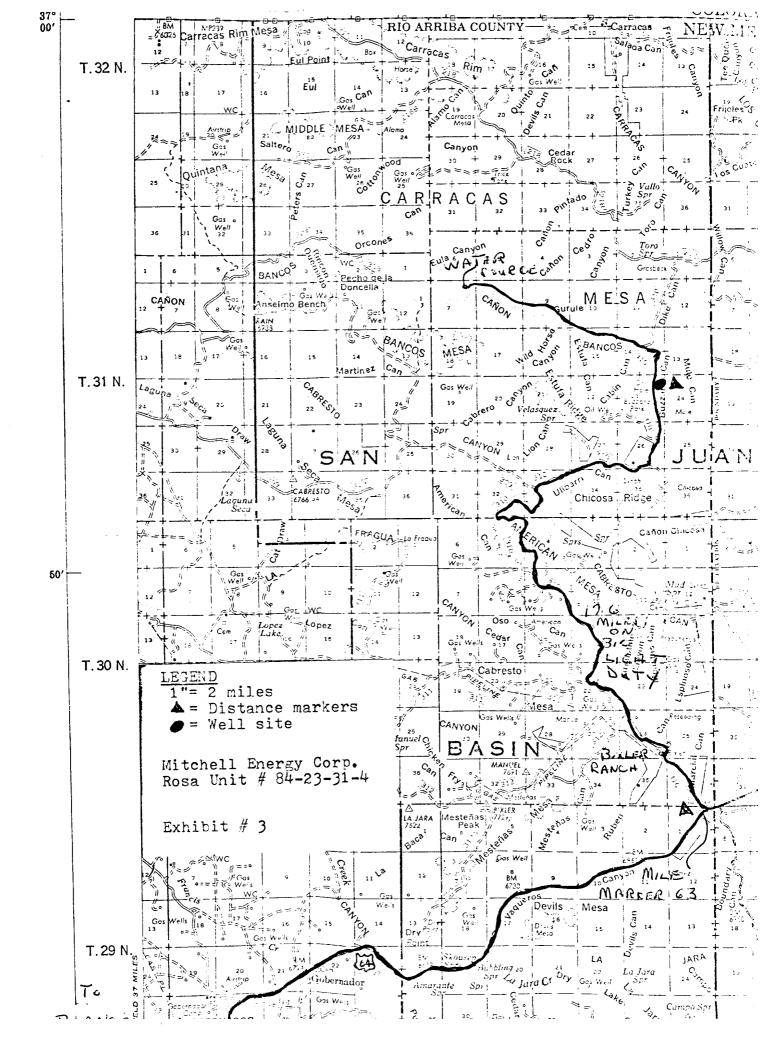
13. Certification

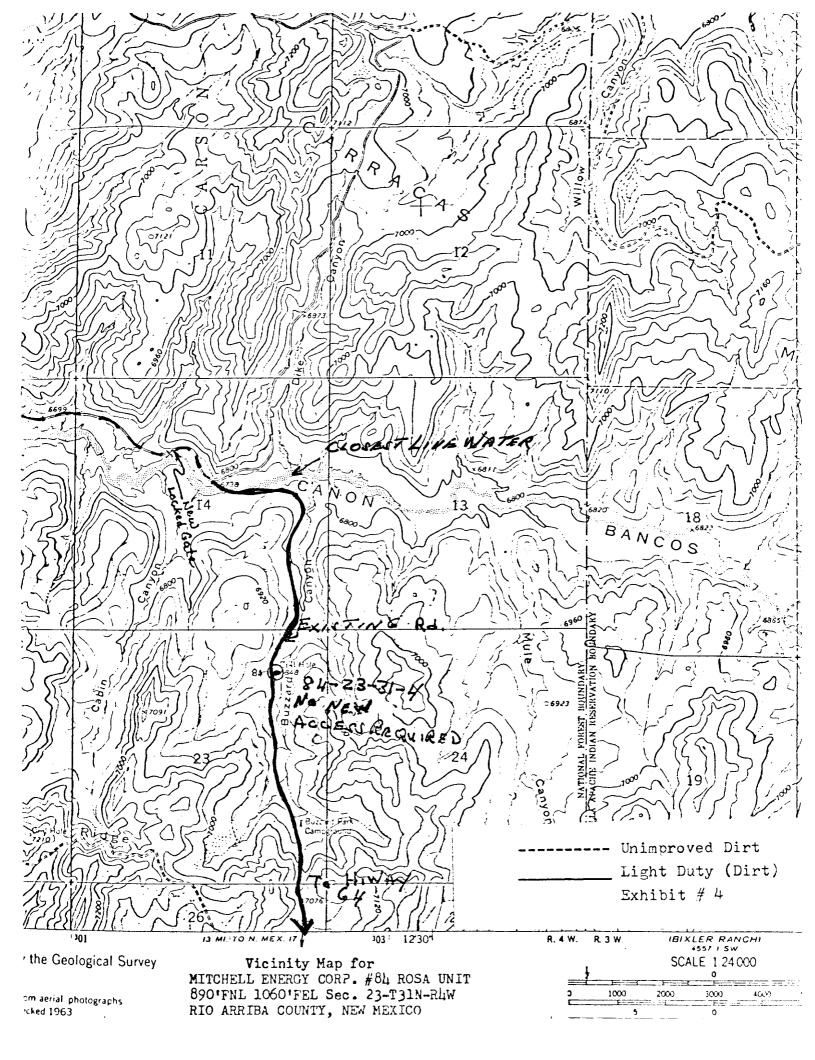
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access road; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations propsed herein will be performed by Mitchell Energy Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

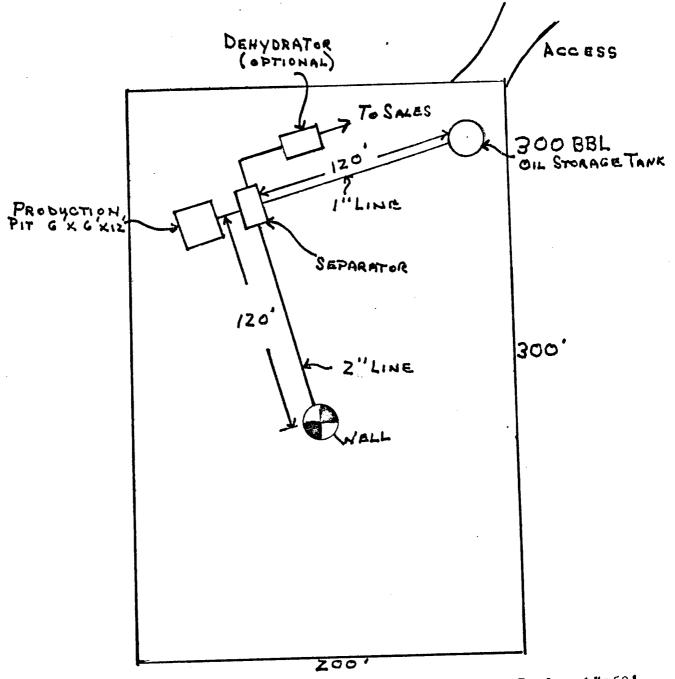
11/13/10 Date

Mr. Brad Fischer

District Production Manager







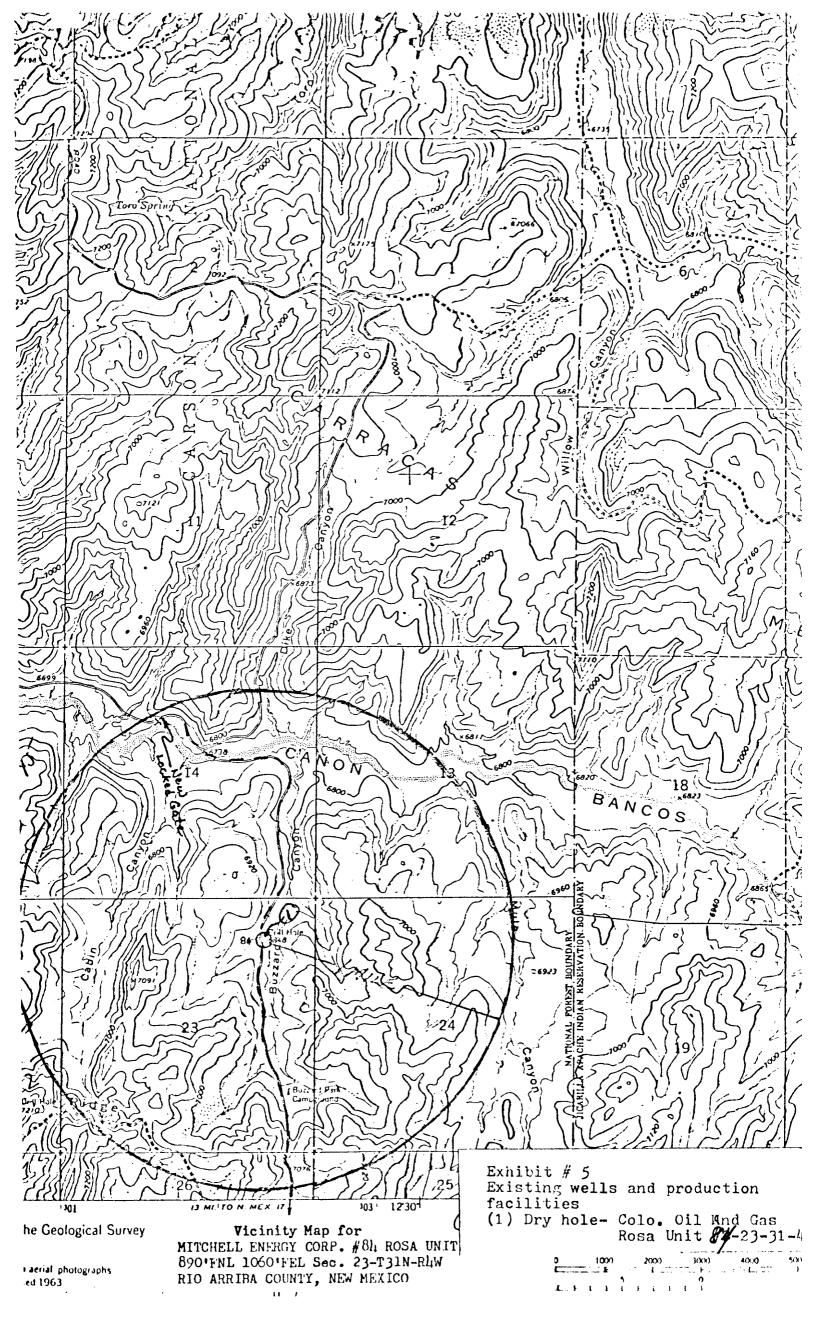
Scale: 1"=50"

PRODUCTION FACILITIES

Mitchell Energy Corp. Rosa Unit # 84-23-31-4

Exhibit # 6

V_N



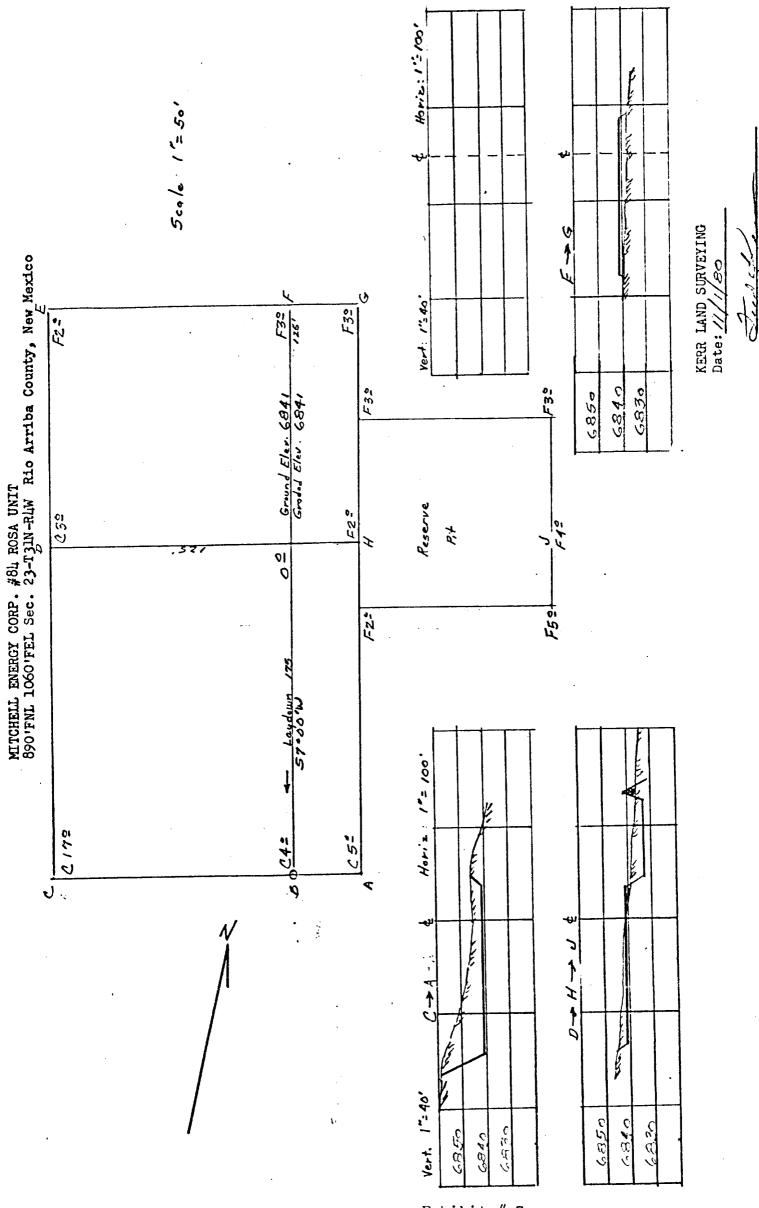


Exhibit # 7

Mr. Salvatore J. Pagano 7892 South Garfield Way Littleton, Colorado 80122

Re: Filing NTL-6 and APD Form 9-331C
MITCHELL ENERGY CORPORATIONS
Rosa Unit #84
NE/NE Section 23-T31N-R4W
890' FNL & 1060' FEL
Rio Arriba County, New Mexico



Gentlemen:

This is to confirm our understanding with you that Mr. Salvatore J. Pagano is authorized to act as our agent in the following capacities:

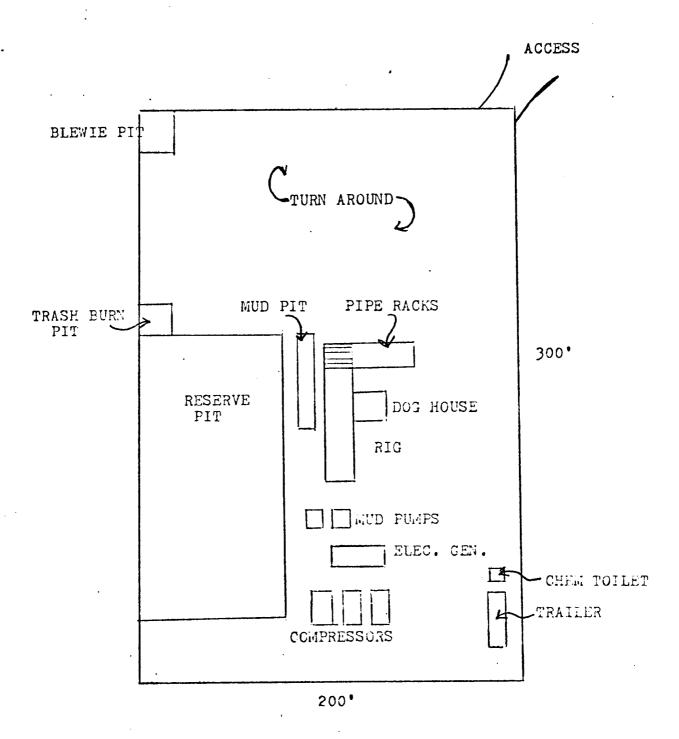
- A. In supervision of surveying and staking, and preparing and filing necessary application, permits, and compliance programs, including complete NTL-6 reports and H2S Contingency Plan.
- B. In accepting on our behalf any changes to location, proposed facilities and/or surface use plan and compliance program requested at on-site inspections, when we are unable to have a Company representative present. Such changes will then be binding upon us or designated Operator.

MITCHELL ENERGY CORPORATION

ву_/	Wischer Eischer
Bra	d W. Fischer
Title	Area Production Manager
Date_	11/4/80

BWF: jms

Exhibit #9



DRILL RIG LAYOUT

Scale: 1"=50'

M
Mitchell Energy Corporation
Rosa Unit #84-23-31-4

Exhibit #8