

☆ Surface & Sub-Surface Studies

☆ Exploration Program Planning & Supervision ☆ Property Development and Management

☆ Well Site Supervision

COLORADO PLATEAU GEOLOGICAL SERVICES, INC.

SUITE 2E

413 WEST MAIN STREET FARMINGTON, NEW MEXICO 87401

(505) 325-9671

P.O. Box 537

March 26, 1974

Mr. A. L. Porter, Jr.

New Mexico Oil & Gas Commission Stanta Fe RR Well 34 95'FNL of 3600' FEL P. O. Box 2088

Santa Fe, New Mexico 87501

Dear Mr. Porter:

ta Fe, New Mexico 87501

Santa le RR Well # 35 - 160' FNL # 2135' FEL

of Sec 29, 20N-9W, and

Santa le RR Well # 36 265' FSL # 2150' FEL

In accordance with Oil & Gas Commission R-2282, we request your Menefec Paol

coval of three nonstandard locations for new producing wells in a Menefec Paol approval of three nonstandard locations for new producing wells in the Red Mountain oil field in sections 20 and 29 of T. 20 N., R. 9 W., McKinley County. New Mexico. These locations McKinley County McKinley County, New Mexico. These locations are requested as infill producing wells in order to obtain maximum drainage and conservation of the hydrocarbons in these bypassed locations. No correlative rights of other individuals will be impaired by these locations.

Accordingly, we are enclosing for your consideration of approval our C-101's and C-102's for these three locations.

Thank you for your consideration.

Sincerely,

Bruce A. Black,

President Colorado Plateau Geological Services & Managing Agent for Chaco Oil Co.

BAB: no

cc: Mr. Al Kendrick New Mexico Oil & Gas Commission Aztec, New Mexico

Called Black 9:10 AM Not in office asked to return Call

NO. OF COPIES RECEIVED				•	•		
DISTRIBUTION		NEW	MEXICO OIL CONSE	RVATION COMMISSION	N	Form C-101	
SANTA FE				•		Revised 1-1-6	•
FILE	 						Type of Lease
U.S.G.S.						STATE	FEE X
LAND OFFICE	1					5, State OII	& Gas Lease No.
OPERATOR			•			mm	mmmm
APPLICATIO	N FOR PF	RMIT TO	DRILL, DEEPEN,	OR PLUG BACK			
1a. Type of Work	IV I OIL I E	idii i i o	DRIEE, DEET EIN,	OK 1 200 BACK		7. Unit Agre	ement Name
DRILL X			DEEPEN				
b. Type of Well			DEEPEN []		BACK	8. Farm or L	ease Name
OIL X GAS WELL	ОТН	ER .		SINGLE M	ZONE	Santa 1	Fe RR
2. Name of Operator						9. Well No.	
Chaco Oil Co	mpany						36
3. Address of Operator							d Pool, or Wildcat
			on, New Mexico			Red Mti	n. Menefee
4. Location of Well UNIT LETTE	R0	Loc	ATED 265	FEET FROM THE South	LINE		
0.450	T7 4		20	20N	OT.7		
AND 2150 FEET FROM	THE East	TTTT	e of sec. 20	TWP. 20N RGE.	9W NMPM	12. County	<i>\\\\\</i>
						McKinl	ev (((((((()
	<i>HHHH</i>	HHH	/////////////////////////////////////	/////////////////////////////////////	4444	777777	
	111111			19. Proposed Depth	19A. Formation		20. Rotary or C.T.
				475 '		efee	Rotary
21. Elevations (Show whether DF,	RT, etc.)		_	21B. Drilling Contractor			Date Work will start
6464 GR		Blan	ket	Own Rig	<u></u>	4/	2/74
23.		Р	ROPOSED CASING AN	D CEMENT PROGRAM		1	
SIZE OF HOLE	SIZE OF	CASING	WEIGHT PER FOO	T SETTING DEPT	H SACKS OF	CEMENT	EST. TOP
6 1/4"	4 1/2		9.5 425'		50	<u>OLINEITT</u>	surface
				1			·
					l	_	1
We prop	ose to d	lrill a	6½" hole to 4	75'. We will t	hen run 4	·25 ' ± o	f 4½"
casing	to the t	op of t	the Red Mounta:	in pay and circ	ulate cem	ent to	surface
				drill out plug,			
				ell is designed oil field by ut			
	ttern ir				TITZING 8	inoditi	eu live-
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1111	1074						
MAR 2	9 1974						
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OIL CONSERV	ATION C	MMO					
الفت IN ABOVE SPACE DESCRIBE PR	ta Fe oposed pr	OGRAM: IF I	PROPOSAL IS TO DEEPEN	OR PLUG BACK, GIVE DATA	ON PRESENT PRO	DUCTIVE ZONE	AND PROPOSED NEW PRODUC.
TIVE ZONE, GIVE BLOWOUT PREVENT	ER PROGRAM,	F ANY.					
I hereby certify that the information	on above is tr	ue and comp	lete to the best of my l	enowledge and belief.			
Signed July (1	1860		Title Managing	Agent		Date. 3/	25/74
(This space for	State Use)						
(11000 Space join							
							v

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CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator Lease Well No.									
Chaco Oil Company Santa Fe RR 36 Unit Letter Section Township Ronge County									
O 20 20N 9W McKinley									
Actual Footage Location of Well: 265 feet from the South line and 2150 feet from the East line									
Ground Level Elev. Producing Formation Pool Dedicated Acreage 6464 Menefee Red Mountain Menefee									
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.	Acres								
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 because	en consoli-								
dated by communitization, unitization, force-pooling etc? MAR 29 1974									
Yes No If answer is "yes," type of consolidation Ust CONSERVATION	الاللا								
If answer is "no," list the owners and tract descriptions which have actually been consolidated."(Use-reve	.OMM. rse side of								
this form if necessary.)	nitigation								
forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by th									
sion.	· · · · · · · · · · · · · · · · · · ·								
CERTIFICATION	٧								
I hereby certify that the info									
tained herein is true and co	•								
Nome Sauce	18								
Position	The state of the s								
Managing Agent Compony									
Chaco Oil Company	r								
Date 3/26/74	•								
Sec 20									
I hereby certify that the	well location								
shown on this plat was plots notes of actual surveys ma									
under my supervision, and t	hat the same								
is true and correct to the knowledge and belief.	best of my								
<u> </u>									
Date Surveyed									
March 26, 1974	MAT .								
#36 Registered Professional English and/or Land Surveyor	eer								
265' Zed Many									
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OF COPIES RECEIVED										
DISTRIBUTION		NEW	MEXICO	OIL CONSER	VATION CO	OISSIMMI		Form C-101	•	
SANTA FE							r	Revised 1-1-6	<u></u>	
FILE								5A. Indicate	Type of Leas	se EE X
U.S.G.S.									& Gas Lease	
LAND OFFICE								.5, State OII	& Gas Lease .	No.
OPERATOR								mm	m	mm.
	V FOR DE	5) 41 ± TO	DDU I	DEEDEN C	in ni uc n	A CIV				
APPLICATIO	N FOR PE	RMIT TO	DRILL,	DEEPEN, C	R PLUG B	ACK		7. Unit Agre	ement Name	7111111
1a. Type of Work								/ Onit Agre	ement Name	, an
DRILL X			DEEPEN	ı 🗌		PLUG E	BACK 🗌	8. Farm or L	ease Name	
b. Type of Well				•	SINGLE TO	MUL	TIPLE [
WELL MELL	ОТНЕ	R			ZONE X		ZONE ZONE	Santa I	e KK	
2. Name of Operator	,							-		
Chaco Oil Company 3. Address of Operator								34	d Pool, or Wil	al a cet
1	77 2	.	T M							
c/o P. O. Box 537						37 .1		Ned Mol	ıntain Me	neree
4. Location of Well UNIT LETTE	RB	LOC	ATED	95 FE	ET FROM THE	North	LINE			
2600	T 4			20	201		07.7			
AND 2600 FEET FROM	THE East	LINIT	E OF SEC.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	/P. 20N	RGE.	9W NMPM	12. County	<i></i>	HHH
								-	[]]]	///////
HHHHHHH	####	4444	HH	44444	<i>}}}},</i>	4444	44444	McKinle	HATT	HHH
	111111	4444	<i>HH</i>). Proposed D		9A. Formation	7777777	20. Rotary of	
				//////////////////////////////////////	_	epin [_	•
21. Elevations (Show whether DF,				Plug. Bond 2	495		Menef		Rotary	
	KI, etc.)			Plug. Bond 2				i	. Date Work w	ill start
GR 6501		Blank	<u>cet</u>		Own I	Kig		3/2	26/74	
23.		P	ROPOSED	CASING AND	CEMENT PR	OGRAM		į		
SIZE OF HOLE	SIZE OF	CASING	WEIGH	T PER FOOT	SETTING	DEPTH	SACKS OF	CEMENT	EST.	TOP
6½"	412"	9.5			465'		50	CLIVILITY	Surfac	
4	<u>' &</u>				105		 		Bullat	<u>.c</u>
					 					
					1					
	. 11 د	c 1.00 15 -	.1	/OF! 11				c (11)		
We propose to	drill a	1 6玄 ho	ole to	495'. We	e will th	nen run	465' <u>+</u>	of 4½" (casing	
to the top of	the Red	Mounta	iin pay	y and circ	culate ce	ement t	o surfac	e using	cement	
basket. We w	ill ther	drill	out p	lug, run	tubing ro	ods, an	d pump a	ınd produ	ice open	
hole. This w	ell is d	lesigned	l to i	nfill a pr	reviously	y undra	ined are	ea in the	e Red	
Mountain Oil	Field by	utiliz	ing a	modified	five-spo	ot patt	ern in t	his area	a.	
- 2012年(5月35日)(13 - 2012年(5月35日)	וחרג									•
	<u> </u>									
1111 20 1974	111 11									
IN MAR 29 13.	111 11									
OIL CONSERVATION C	OMM.									
Santa Fe										
IN ABOVE SPACE DESCRIBE PR	OPOSED PR	OGRAM: IF	PROPOSAL	IS TO DEEPEN OF	PLUG BACK, G	IVE DATA O	N PRESENT PR	DUCTIVE ZONE	AND PROPOSE	D NEW PRODUC
I hereby certify that the information			lete to +5	e hest of m !	owledge and t	nalief				
in in the intermetal		>	Lore to tu		_	enel.				
Signed / Sulle 4.	1120/		_ Title	Managing	g Agent			Date3/2	25/74	
(This space for	State Use)									=
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CONDITIONS OF APPROVAL, IF ANY:

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

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Chaco Cil Company Chaco Cil Company Santa Fe Pacific RR Sil			All distar	nces must be fr	om the oute	er boundaries of	the Section.	·	
Townself B 29 20N 9W McKinley B 29 20N 9W McKinley McKinley	Operator Chaco Oil	Company		1	_	Fe Pacif	ic RP		1 4
B 29 20N 9W McKinley 95 (see from the World) 95 (see from the North Ince and 2600 face from the Bast Ince 95 (SQL Productor Promotion Promotion Productor Productor Promotion Productor Promoti									
Second Producting Formation Morth Interest 2600 Interest Intere		1	1		1			'inlew	
Sec	_		2011			7 94	FICK	TIMEA	
Monefee Red Mountain Menefee Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachare 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? Yes No If answer is "ves," type of consolidation If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse study of this form if accessary). No allowable will be assigned to the well until all interests have been consolidated (by communities) until a non-standard unit, eliminating such interests, has been approved by the Commission. Sec 29 1. Revely certify that the information contained herein is rue and complete to the best of my knowledge and ballef. None Thereby certify that the information contained herein is rue and complete to the best of my knowledge and ballef. None Thereby certify that the information contained herein is rue and complete to the best of my knowledge and ballef. None Thereby certify that the information contained herein is rue and contained the sec of the second contained the second contain			17a-ad-1		0600			172 och	
Red Mountain Menefee				line and		feet	from the	rast	
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? Yes 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 bids 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. 25. 34 2600 CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Name Company Chaco Oil Company Date 3/26/74 29 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and certed to the best of my knowledge and belief. Date Surveyed March 26, 1971 Registered Predmantaging Agent Company Chaco Oil Company Date 3/26/74	•								Dedicated Acreage:
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? Yes 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 but of this form if accessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, 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 best of my knowledge and belief. None Nanaging Agent Company Chaco Oil Company Chaco Oil Company Date 3/26/74 I hereby certify that the well location shown on this plot was plotted from field notes of occur surveys and by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed March 26, 1971 Registered Echassiquity and the same is true and correct to the best of my knowledge and belief. Pred B. Rett.	6501	Menefe	e	:	Red N	Iountain M	eneree		Acres
Yes No If answer is "yes," type of consolidation MAR 29 1974	2. If more th interest ar	an one lease is nd royalty).	dedicated	to the well	, outline	each and iden	ntify the	ownership	thereof (both as to working
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Name Name Position Managing Agent Company Chaco 0il Company Date 3/26/74 Sec 29 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed March 26, 1971 Registered Professional Philipsel and or Land Surveyor Pred B. Karr Vr.	Yes If answer this form i No allowal forced-poo	No If a is "no," list the f necessary.)	nswer is " owners an ed to the w	yes," type of	f consolic	vhich have ac	onsolidat	en c <u>onsolic</u> Cted (by con	lated. (Use reverse side of ONSERVATION COMM. nmunitization, unitization,
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Name Name Position Managing Agent Company Chaco 0il Company Date 3/26/74 Sec 29 I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed March 26, 1971 Registered Professional Philipsel and or Land Surveyor Pred B. Karr Vr.				 					CERTIFICATION
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I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed March 26, 1971 Registered Professional Englished and/or Land Surveyor and/or Land Surve		ì	Sec		· · · · · I			, = >/	
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March 26, 1974 Registered Professional Engineer and/or Land Surveyor Fred B. Kerr Jr.				<i>E</i> ,	 			shown of notes of under my is true	n this plat was plotted from field actual surveys made by me or supervision, and that the same and correct to the best of my
March 26, 1974 Registered Professional Engineer and/or Land Surveyor Fred B. Kerr	r -	+			7				
Certificate No.		† 			 			March Registered and/or Lar	1 26, 1974 Professional Engineer
			in an		20 1 W 2 W 10 W	is the species while s		Certificate	No.

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DISTRIBUTION	NEW MEXICO OIL CONSE	RVATION COMMISSION		rm C-101	, 5
SANTA FE				evised 1-1-65	Type of Lease
FILE			}	STATE	FEE X
U.S.G.S.	†		- 5		& Gas Lease No.
OPERATOR	1				=
	1		-	HHH.	
APPLICATION FO	R PERMIT TO DRILL, DEEPEN,	OR PLUG BACK			
la. Type of Work			7	. Unit Agree	ement Name
DRILL X	DEEPEN	PLUG B	ACK [] L		
b. Type of Well	,522, 24		8	. Farm or Le	ease Name
OIL GAS WELL WELL	OTHER	SINGLE X MULT		Santa F	e RR
2. Name of Operator			9	. Well No.	
Chaco Oil Compan	ıy			35	d Pool, or Wildcat
3. Address of Operator	37 Forminaton Novi Movio	•	1		tain Menefee
	337, Farmington, New Mexic			TTTTT	TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
UNIT LETTER	B LOCATED 160 F	EET FROM THE North	LINE		
AND 2135 FEET FROM THE	East Line of sec. 29	wp. 20N RGE. 9V	NMPM		
				2. County	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
				McKin1	ey (
			711111	THIII.	HHHHH
		9. Proposed Depth 1	9A. Formation		20. Rotary or C.T.
		480	Menefee		Rotary
21. Elevations (Show whether DF, RT, et	l l	21B. Drilling Contractor			Date Work will start
6478	GR Blanket	Own Rig		3/3	0/74
	PROPOSED CASING AND	CEMENT PROGRAM		1	
SIZE OF HOLE SIZ	E OF CASING WEIGHT PER FOOT	SETTING DEPTH	SACKS OF	CEMENT	EST. TOP
111162MAR 29 19/4	4档 9.5	450'	50		Surface
OIL CONSERVATION	COMM			Ì	
Santa Fe	•	1	•	т	
to the top of the basket. We will hole. This well	rill a 6½" hole to 480'. ne Red Mountain pay and ci l then drill out plug, run l is designed to infill a eld by utilizing a modifie	rculate cement of tubing rods, and previously under	to surfac nd pump a ained are	e using nd prod a in th	cement uce open e Red
	•				
· <u>.</u> .					
		*			
IN ABOVE SPACE DESCRIBE PROPOS TIVE ZONE. GIVE BLOWOUT PREVENTER PRO	ED PROGRAM: IF PROPOSAL IS TO DEEPEN OF	R PLUG BACK, GIVE DATA ON	PRESENT PRODU	CTIVE ZONE	AND PROPOSED NEW PRODUC
I hereby certify that the information abo	ve is true and complete to the best of my k	nowledge and belief.			
Signed / Shelle U. P.	Title Managing	Agent	Da	ite. 3/	25/74
Bruce A. Black (This space for State U					
(1 ms space for state (,,,,				
APPROVED BY	T.T. =		_		,
	TITLE		ם ח	ATE	

CONDITIONS OF APPROVAL, IF ANY:

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section.

Operator					Lease		·	Well No).
Chaco Oil	Cor	many			San	ta Fe RR		35	
Unit Letter	Secti	on	Township		Rang	e	County		
В		29	201	1		9W	Mo	Kinley	
Actual Footage Loca	tion c	of Well:	•						
160	feet	from the No	orth	line and	2135	fee	t from the	East line	
Ground Level Elev.		Producing For			Pool			Dedicated Acre	age:
6478		Menefe	9		Red	<u>Mountain M</u>	<u>lenefee</u>		Acres
. 1. Outline the	e acr	eage dedica	ted to the	e subject we	ell by col	lored pencil o	r hachure	marks on the plat below	•
interest an	d roy	alty).						ownership thereof (both a	
		e lease of d initization, u				I to the well,	have the	interests of all owners l	een consoli-
Yes		No If a	nswer is '	'yes," type o	f consoli	dation			
							[:	\ <u> </u>	
If answer in this form if	s "n	o," list the essary.)	owners ar	nd tract desc	riptions v	which have a	ctually be	en Consolidated (Use re	verse side of
No allowab	le wi	ll be assign	ed to the v	well until all	interest	s have been o	consolidat	ted (by communitization,	Unitization
							h interest	ts, has been approved by	
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		1				İ	ļ	I hereby certify that th	e well location
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COLORADO PLATEAU GEOLOGICAL SERVICES, INC.

SUITE 2E

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P.O. Box 537

(505) 325-9671

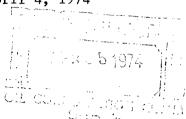
☆ Surface & Sub-Surface, Studies

☆ Well Site Supervision

☆ Exploration Program Planning & Supervision

☆ Property Development and Management

April 4, 1974



Mr. Kapteina
District Supervisor
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Dear Mr. Kapteina:

In accordance with your telephone request on April 2, 1974, I am enclosing a number of maps which should clarify our recent C-101 requests.

Enclosure No. 1 shows the present lands surrounding the Red Mountain oil field which are operated by Chaco Oil Company. These lands are outlined in green. The oil field is outlined in red and as you can see there are no outside owners involved in the field. The wells for which we are requesting approval are circled in red for your identification.

Enclosure No. 2 is a larger scale location map showing the wells in the field and our requested locations are in red. As noted on Enclosure No. 2 the I-14 and I-3 wells are presently being plugged and abandoned because of holes in 2" tubing which was originally used as casing by Mr. Birdseye.

Enclosure No. 3 is a work map which will give you an idea of the structural configuration of the Red Mountain pay, and is on the same scale as Enclosure No. 2. Again our locations are marked in red. Oil is known to exist at least as far downdip as the 5940' contour.

Enclosure No. 4 is a map of the resistivities as determined from previous wells in the field. The known oil productive interval is encompassed within the 50 ohm and greater resistivities.

Enclosure No. 5 is a modified isopach map of the net pay in the Red Mountain field as shown by the dashed red line. We believe there is a sand pinch-out on the west side of the field. This beli is based on our own correlations of logs in this area and does not agree with Mr. Birdseye's original interpretation of thicker sands to the west. However this is not a point of contention with regard to our requested nonstandard locations. As you can see from Enclosure No. 5 we expect 15' to 20' of oil sand in all of these locations.

Enclosure No. 6 shows the possible field limits of the Red Mountain oil field as determined by the ohm resistivities on the northwest and the east side of the field, and as determined by the 5940' structural contour (which is probably near the oil-water contact on the original accumulation) on the north and south and last of all by the sand pinch out of this channel on the southwest. As you can see our proposed locations are well within the field limits. The sweep pattern as depicted on Enclosure No. 6 has been determined by the calculated volume of water injected into each injection well and by using these volumes for areas of sweep which we believe have been effectively swept by Mr. Birdseye's original flood. These are shown in blue.

Enclosure No. 7 depicts the minimum area which has not been effectively produced or swept by previous flooding. In the Red Mountain field this area is shown in green. In addition Enclosure No. 7 also shows the existing water lines which have been laid and now exist within the field area. The water supply well is shown by the blue circle to the northeast of the field. Our proposed locations are designed to adequately test three apparently unswept areas within the field limits. They will also replace wells which are presently planned for plugging because of holes in tubing which was previously mentioned. These wells were also designed to facilitate a five-spot water flood pattern if the core analysis from these wells indicate recoverable reserves sufficient to warrant additional flooding of these previous unproduced areas.

As mentioned to you on the phone, we have presented this geologic picture to Mr. Emery Arnold and Mr. Al Kenrick of the Aztec office of the New Mexico Oil Conservation Commission. In order to expedite our operations based on rig availability and other prime considerations we obtained, on March 26, 1974, from Mr. Kendrick, verbal approval to proceed on well No. 34 contingent upon your final approval. Because there is no contiguous land ownership situations which endanger correlative rights, we respectively ask your soonest approval of our recent requests.

If we can answer additional questions please feel free to call us at 325-9671 and we will be glad to provide any additional data which you may require.

Thank you very much for your consideration.

Suncerely,

Dr. Bruce A. Black, President Colorado Plateau Geological Services Consulting Petroleum Geologist

AIPG No. 2392

BAB:no

cc: Emery Arnold New Mexico Oil Conservation Commission Aztec, New Mexico