CASE 7183: REAC MEDITERS OIL COMPANY NO AN ONONTHODOX CAS WELL LOCATION, LEA COUNTY, NEW MERICO

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Case No.

7183

Application

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STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT UIL CONSERVATION DIVISION

BRUCE KING ARY KEHOE CRETARY

July 1, 1981

POST OFFICE BOX 208 ANTA FE NEW MEXICO #790 5051 827-2434

Flag-Redfern Oil Company P. 0. Box 2280 Midland, Texas 79702

Attention: Mr. Byron H. Greaves

Re: Amended location R-6640

Gentlemen:

Reference is made to your letter dated June 12, 1981, wherein you advise that the location for your Osudo State Com. Well No. 2, as approved by Order No. R-6640 at a point 990 feet from the North line and 990 feet from the East line of Section 18, Township 20 South, Range 36 East, NMPM, North Osudo-Morrow Gas Pool, Lea County, New Mexico, was not suitable and that you desired to move the location to a point 1650 feet from the North line and 990 feet from the East line of said Section 18.

Inasmuch as the new location is less unorthodox than the old location, and you accompanied your letter with waivers of objection from the only offset operator, Jake L. Hamon, your request is hereby approved and the location 1650 feet from the North line and 990 feet from the East line may be drilled.

Yours very truly,

JOE D. RAMEY Director

JDR/DSN/fd

cc: OCD Hobbs Jake L. Hamon 611 The Petroleum Building Midland, Texas 79701 Case File 7183

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	ENERGY AN OIL CON STATE	TE OF NEW MEXICO ID MINERALS DEPARTMENT ISERVATION DIVISION LAND OFFICE BLDG. A FE, NEW MEXICO	
	25	March 1981	
	EXA	MINER HEARING	
IN THE MATTER) }	
pan	y for an unort	ag-Redfern Oîl Com-) hodox gas well) nty, New Mexico.) j	CASE 7183
BEFORE: Dan	iel S. Nutter		
	TRANSC	RIPT OF HEARING	
	APPS	EARANCES	
For the Oil (Division:	Conservation	Ernest L. Padilla Legal Counsel to State Land Office Santa Fe, New Mex	the Divisio
For the Appli	icant:	William F. Carr, H CAMPBELL, BYRD, &	-
	· -	Jefferson Place Santa Fe, New Mexi	

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I Ż INDEX GERALD L. SCOTT Direct Examination by Mr. Carr Cross Examination by Mr. Nutter JOHN H. SWENDIG Direct Examination by Mr. Carr Cross Examination by Mr. Nutter EXHIBITS Applicant Exhibit One, Plat Applicant Exhibit Two, Map Applicant Exhibit Three, Cross Section è Applicant Exhibit Four, Data Applicant Exhibit Five, Structure Map Applicant Exhibit Six, List Applicant Exhibit Seven, Monthly Production Applicant Exhibit Eight, Production History

î 3 2 MR. NUTTER: We'll call Case Number 3 7183. MR. PADILLA: Application of Flag-Redfer Oil Company for an unorthodox gas well location, Lea County, 5 New Mexico. 6 MR. CARR: May it please the Examiner, 7 my name is William F. Carr, with the law firm Campbell, Byrd, 8 9 and Black, P. A., in Santa Fe. I'm appearing on behalf of 10 Flag-Redfern Oil Company. I have two witnesses who need to be 11 12 sworn. 13 14 (Witnesses sworn.) 15 16 MR. CARR: I'd call Mr. Scott. 17 18 GERALD L. SCOTT 19 being called as a witness and being duly sworn upon his cath, 20 testified as follows to-wit: 21 22 DIRECT EXAMINATION 23 BY MR. CARR: 24 Will you state your full name and place Q. 25 of residence?

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1		4
2	A.	Gerald L. Scott, Midland, Texas.
3	Q.	Mr. Scott, by whom are you employed and
4	in what capacity?	
5	Α.	Flag-Redfern Oil Company, Exploration
6	Geologist.	
7	Q.	Have you previously testified before
- 8	this Commission?	
9	A.	No, I have not.
10	Q	Would you briefly summarize for the
11	Examiner your educati	onal background and your work experience?
12	Å.	I have an MS degree from the University
13	of Wisconsin in '57 a	nd a Phd in 1960.
14		I spent eighteen and a half years with
15	Shell Oil Company in	exploration and the past two and a half
16	years with Flag-Redfe	rn.
17	Q.	Are you familiar with the application
18	filed in this case?	
19	Α.	Yes, sir.
20	Q.	Are you familiar with the subject area?
21	А.	Yes, sir.
22		MR. CARR: Are the witness' qualifica-
23	tions acceptable?	
24		MR, NUTTER: They are,
25	Q.	Mr. Scott, will you briefly state what

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2 Flag-Redfern seeks with this application?

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3	A. We are seeking an unorthodox location
4	in Section 18 of the Osudo North Morrow Field and the principal
5	reason for seeking this location is that our initial well, we
6	seem to have found one of the tightest Morrow sand sections
7	in the general area and we would like to get as remote as
8	possible from this tight area but still maintain as good a
9	structural position as possible.
19	Q. Will you please refer to what has been
11	marked for identification as Applicant's Exhibit Number One
12	and review this for Mr. Nutter?
13	A. Exhibit Number One is an ownership map
14	and in the Osudo North area, and also shows with the yellow
15	highlighted wells, the Morrow producers in North Osudo Field.
16	Q Is the proposed well indicated?
17	A. Yes, it's indicated in red.
18	Q And the acreage that will be dedicated
19	to that well is also in red?
20	A. Yes, sir.
21	Q. How many wells in this immediate area the
22	are in this pool are drilled at unorthodox locations?
23	A. I believe, to my recollection, all but
24	two.
25	Q. In Section 17 there is a well in the

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2	southeast quarter that has a number three beside it. Could
3	you tell me what the status of that well is?
4	A. That is a currently drilling well. It
5	will be a Morrow test.
6	Q Is it at a standard location?
7	A No, it is not.
8	Q Will you now refer to Applicant's Exhibi
9	Number Two and review this for Mr. Nutter?
10	A Exhibit Number Two is a net sand map of
11	the total Morrow Clastic section and it is an extremely
12	generalized map and, of course, does not depict the true
13	nature of the several sand bodies but it does represent
14	several stacked sand bodies and is very general. It simply
15	shows that the sands are thicker in the west and the sand
16	package grossly thins to the east.
17	Q What is the green line shown on this
18	exhibit?
19	A The green line is the line of strati-
20	graphic cross section.
21	Q And is that cross section your Exhibit
22	Number Three?
23	A. Yes, it is.
24	Q Will you refer to that and summarize
25	the data contained thereon?

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5	early production testing pressure data in the several wells
6	in the North Osudo Morrow Field, and over the discovery
7	well was the well in the south half of Section or I mean
8	the north half of Section 20, northeast or northwest quarter
9	of Section 20, discovered in '65, and drilling has been
10	spasmodic since that period up until current date.

8

11 What I wanted to show here was that over
12 that time the wells -- the pressure data by and large indicates
13 slight over pressuring, if any, of -- of almost all of the
14 field wells, and to us indicates that probably the well, the
15 several sand bodies are very discontinuous, and not of a
16 blanket type.

17 Q. All right, Mr. Scott, will you now go
18 to Applicant's Exhibit Number Five?

19 A. This exhibit is simply a structure map
20 on the top of the Morrow Clastics and is exhibited to show
21 that we, although we would like to get as far as possible from
22 this tight sand area that we encountered in our first well,
23 we would still like to maintain as favorable a structural
24 position as we could.

And that position is shown circled in

1 9 2 red and the location we're requesting. 3 Mr. Scott, were Exhibits One through Q. Five prepared by you? â 5 A. Yes, sir. MR, CARR: At this time, Mr, Nutter, we 7 would offer into evidence applicant's Exhibits One through Five. MR. NUTTER: Applicant's Exhibits One 10 through Five will be admitted in evidence. 11 MR. CARR: I have nothing further of 12 Mr. Scott on direct. 13 14 CROSS EXAMINATION 15 BY MR, NUTTER: 16 Now, Mr. Scott, on that cross section Q 17 you have logs on all but one of the wells, and it was just 18 shown as a stick diagram. 19 Yes. That was a well that they had Α. 20 problems with. It tried to blow out on them and they could 21 not run logs and the data on that is the tops are picked 22 from sample logs, mud log, and in part operator tops. 23 I believe that's the well that's east/ Q. 24 southeast of your proposed location, is that correct? 25 It's the Hamon Amerada Federal 2?

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2	A	The well is in the north half of Section
3	17.	
4	Q.	Right. Was it completed as a pretty
5	good well, then?	
6	A.	Yes, it was. On that if you're
7	looking no, you do	on't
8	Q.	I've already folded up the cross section.
9	2	Okay. That well had an IPF of 27 million.
19	And over a six month	history it has has a cumulative of
11	0.92 Bcf and 12,700 1	parrels of liquids.
12	Ç.	Okay, now the well that's in the south-
13	east quarter of Sect	ion 18, I presume that all of Section 18
14	is presently dedicate	ed to the well?
15	Å.	Yes, Yes.
16	Q	And you would simultaneously do you
17	plan to plug that we	ll out when this well is drilled or would
18	you complete prod	uce both of them simultaneously?
19	Б.	We would produce both of them.
20	ο <u></u> .	Okay. What's the cumulative production
21	on that well?	
22	A.	That well has been a very poor well.
23	It has a cumulative	to 10 of 80 of 020 Bcf.
24	Q	Zero
25	A	.20.

1 11 2 .20. Q. 3 A. And that's over -- since it was -- it 4 was completed in 1977. 5 Q. Now, let's see, that would be 200 million, 6 wouldn't it? 7 A. Yes. 8 Okay. And that's been since 1977. Q. 9 Yes, sir. A. 10 MR. NUTTER: Are there any other ques-11 tions of Mr. Scott? He may be excused. 12 MR. CARR: I'll call Mr. Swendig. 13 14 JOHN H. SWENDIG 15 being called as a witness and being duly sworn upon his oath, 16 testified as follows, to-wit: 17 18 DIRECT EXAMINATION 19 BY MR. CARR: 20 Will you state your full name and place 0. 21 of residence? 22 John H. Swendig, Midland, Texas. A. 23 By whom are you employed and in what Q. 24 capacity? 25 A. I'm employed by Flag-Redern Oil Company

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1 12 2 as a drilling superintendent. 3 Have you previously testified before A. 4 this Commission or one of its Examiners and had your creden-5 tials as a petroleum engineer accepted and made a matter of 6 record? 7 A. Yes, I have. 8 Q. Are you familiar with the application 9 of Flag-Redfern in this case and the subject area? 19 Â. Yes. 11 MR. CARR: Are the witness' qualifications 12 acceptable? 13 A. They are. 14 0. Will you look at what has been identified 15 as Applicant's Exhibit Number Six and review this for Mr. 16 Nutter? 17 Exhibit Six is just a sheet listing A. 18 some well information on the Osudo State Com No. 1, located 19 in Section 18, showing the well was drilled in 1975 - 1976 to 20 a depth of 11,700 feet. 21 It was completed with perforations from 22 11,509 to 519. It was acidized and fracture treated. The 23 original bottom hole pressure was 5560 psi after 46-1/2 hour 24 shutin. Initial tubing pressure of 4228. Initial potential 25 of the well was 222 Mcf per day and to 1-1-81 the cumulative

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2 production has been 208,000 Mcf.

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3 Q Will you now refer to Exhibit Number
4 Seven and review this for the Examinor?

A. Exhibit Seven is the monthly production
of the Osudo State Com No. 1 from January, 1977, to the
present.

Q And will you now refer to your Exhibit Number Eight?

A Exhibit Number Eight is a production
history of three wells in the immediate vicinity, or three
of the older wells in the North Osudo Field; The Hamon State
"E", the Amerada Federal No. 1 and the Hamon Union State,
and this exhibit is included to show the initial shutin pressures as reported by the operators and the pressure decline
and the production cumulatives for those wells.

17 Of note is the very high initial shut18 in pressures, the very rapid decline in tubing pressure, and
19 the fact that during the first year production almost half
20 of the total cumulative production of the wells has been
21 recovered during the first year.

22 Q. Based on this data would you conclude 23 that the wells are drilling -- are draining a relatively 24 limited area?

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Yes, this reinforces the -- Mr. Scott's

î 14 2 testimony that the sands are erratic and discontinuous. 3 In your opinion would granting this 0. 4 application impair the correlative rights of any other operator 5 in the immediate area? 6 No, it would not. A. 7 Would it be in the best interest of Q. 8 conservation and the prevention of waste? 9 I believe it would be. A. 10 Have you given notice to the offsetting Ω. 11 operators of this hearing today? 12 Yes, sir, I have. Α. 13 Have you talked with any of the operators 0. 14 personally? 15 Only with the Hamon personnel, and they A. 16 have not entered any objection to our application. 17 You did give notice to the operators to Q. 18 the north? <u>19</u> Yes, to Samedan. Â. 20 Mr. Swendig, were Exhibits Six through Q. 21 Eight prepared by you? 22 Yes, they were. A. 23 MR. CARR: At this time, Mr. Nutter we 24 would offer Applicant's Exhibits Six through Eight. 25 MR. NUTTER: Exhibits Six through Eight

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15 1 2 will be admitted in evidence. 3 MR. CARR: I have nothing further on direct. 5 CROSS EXAMINATION 7 BY MR. NUTTER: 8 Mr. Swendig, apparently your existing Q. ŷ well is -- the Osudo State Com 1 started out producing appro-10 ximately 200 Mcf per day and it's declined down to where it 11 has been producing about 100 Mcf per day --12 A. Yes, sir. 13 -- for quite awhile now. 0. 14 This is true. Α. 15 Do you feel like it's time to try to Q. 16 get some more gas out of this unit? 17 Well, we've, as Mr. Scott said, we've A, 18 drilled into a very tight area. I neglected to mention that 19 on our initial completion we did run a bottom hole pressure 20 buildup test and the buildup test indicated we had less than 21 0.1 millidarcy permeability after treating. 22 Well now, the well was treated with a Q. 23 fairly substantial fracture job, but I think they're probably 24 using a little bit heavier stimulation on some of these Morrow 25 wells now than they were then, aren't they?

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		16
	Α.	I would suspect so. Yes, sir, they've
	gone to much larger st	timulation treatments than what we were
	doing in 175 - 176.	
	Ω.	Has this well ever been reworked?
	А.	No, sir, it has not. This is still the
	original completion.	
		MR. NUTTER: Are there any further
	questions of Mr. Swen	lig? He may b e excused.
		Do you have anything further Mr. Carr?
		MR. CARR: Nothing further, Mr. Nutter.
		MR. NUTTER: Does anyone have anything
Ì	they wish to offer in	Case Number 7183?
		We'll take the case under advisement.
		(Hearing concluded.)

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CERTIFICATE

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SALLY W. BOYD, C.S.R Ri. 1 Box 193-B

one (505) 455-74(99

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I, SALLY W. BOYD, C.S.R., DO HEREPY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Sally by, Boyd C.S.R.

I do hereby certify that the foregoing is a complete receipt the proceedings in the Fixed them and the of series of 1183 3/25 19 91 heard by us on____ _, Exami<mark>ner</mark> Oil Conservation Division

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		ENERGY AND OIL CONS STATE I	COF NEW MEXICO MINERALS DEPARTMENT SERVATION DIVISION AND OFFICE BLDG. FE, NEW MEXICO
	4	25 1	March 1981
	5	EXAM	INER HEARING
	6 7 8	IN THE MATTER OF: Application of Flag pany for an unorthe location, Lea Count	odor gas well) CASE
	9		> >
	10	BEFORE: Daniel S. Nutter	
	11		
	·	TRANSCRI	PT OF HEARING
	13		
	14	•	ARANCES
	15		ARANCES
	16 17 18 79	For the Oil Conservation Division:	Ernest L. Padilla, Esq. Legal Counsel to the Division State Land Office Bldg. Santa Fe, New Mexico 87501
	29 21 22	For the Applicant:	William F. Carr, Esq. CAMPBELL, BYRD, & BLACK P.A. Jefferson Place Santa Fe, New Mexico 87501
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INDEX GERALD L. SCOTT Direct Examination by Mr. Carr Cross Examination by Mr. Nutter JOHN H. SWENDIG Direct Examination by Mr. Carr Cross Examination by Mr. Nutter EXHIBITS Applicant Exhibit One, Plat Applicant Exhibit Two, Map Applicant Exhibit ree, Cross Section Applicant Exhibit Tour, Data Applicant Exhibit Elve, Structure Map Applicant Exhibit Six, List Applicant Exhibit Seven, Monthly Production Applicant Exhibit Eight, Production History

1 3 2 MR. MUTTER: Ne'll call Case Number 3 7183. MR. PADILLA: Application of Flag-Redfern 5 Oil Company for an unorthodox gas well location, Lea County, New Mexico. 7 MR. CAPK: May it please the Examiner, 8 my name is William F. Carr, with the law firm Campbell, Byrd, 0 and Black, P. A., in Santa Fe. I'm appearing on behalf of 10 Flag-Redfern Oil Company. 11 I have two witnesses who need to be 12 sworn. 13 14 (Witnesses sworn.) 15 16 MR. CARR: I'd call Mr. Scott. 17 18 GERALD L. SCOTT 19 being called as a witness and being duly sworn upon his oath, 20 testified as follows to-wit: 21 22 DIRECT EXAMINATION 23 BY MR. CARR: 24 Will you state your full name and place Q 25 of residence?

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2 Flag-Redform seeks with this application?

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3 A. We are seeking an unorthodox location in Section 18 of the Osudo North Morrow Field and the principal 4 reason for seeking this location is that our initial well, we 5 seem to have found one of the tightest Morrow sand sections 6 7 in the general area and we would like to get as remote as possible from this tight area but still maintain as good a 8 9 structural position as possible. 10 Will you please refer to what has been Q. 11 marked for identification as Applicant's Exhibit Number One 12 and review this for Mr. Nutter? 13 A. Exhibit Number One is an ownership map 14 and -- in the Csudo North area, and also shows with the yellow 15 highlighted wells, the Morrow producers in North Osudo Field. 16 Is the proposed well indicated? Ũ. 17 Yes, it's indicated in red. A. 18 And the acreage that will be dedicated Q. 19 to that well is also in red? 20 A. Yes, sir. 21 How many wells in this immediate area that Q. 22 are in this pool are drilled at unorthodox locations? 23 I believe, to my recollection, all but A. 24 two. 25 In Section 17 there is a well in the Q

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1 10 2 The well is in the north half of Section 3., 3 17. Right. Was it completed as a pretty Q. 5 good well, then? Yes, it was. On that -- if you're A. 7 looking -- no, you don't --I've already folded up the cross section. Q ò Okay. That well had an IPF of 27 millich. A. 10 And over a six month history it has -- has a cumulative of 11 0.92 Bcf and 12,700 barrels of liquids. 12 Okay, now the well that's in the south-Ũ 13 east quarter of Section 18, I presume that all of Section 18 14 is presently dedicated to the well? 15 Yes. Yes. A. 16 And you would simultaneously -- do you Q. 17 plan to plug that well out when this well is drilled or would 18 you complete -- produce both of them simultaneously? 19 We would produce both of them. A 20 Okay. What's the cumulative production Q 21 on that well? 22 That well has been a very poor well. A. 23 It has a cumulative to 10 of 80 of 0.20 Bcf. 24 Zero --Q. 25 .20. A.

1 11 2 .20. Q. 3 A. And that's over -- since it was -- it 4 was completed in 1977. 5 Now, let's see, that would be 200 million, Q. 6 wouldn't it? 7 Yes. A. Okay. And that's been since 1977. Q 9 A. Yes, sir. 10 MR. NUTTER: Are there any other ques 11 tions of Mr. Scott? He may be excused. 12 MR. CARR: I'll call Mr. Swendig. 13 14 JOHN H. SWENDIG 15 being called as a witness and being duly sworn upon his oath, 16 testified as follows, to-wit: 17 18 DIRECT EXAMINATION 19 BY MR. CARR: 20 Will you state your full name and place Q 21 of residence? 22 John H. Swendig, Midland, Texas. A. 23 By whom are you employed and in what Q. 24 capacity? 25 I'm employed by Flag-Redern Oil Company A.

1 12 2 as a drilling superintendent. 3 Have you previously testified before A. 4 this Commission or one of its Examiners and had your creden-5 tials as a petroleum engineer accepted and made a matter of 6 record? 7 Yes, I have. A 8 Are you familiar with the application Q. 9 of Flag-Redfern in this case and the subject area? 10 A. Yes. 11 MR. CARR: Are the witness' qualifications 12 acceptable? 13 A. They are. 14 Will you look at what has been identified ۵ 15 as Applicant's Exhibit Number Six and review this for Mr. 16 Nutter? 17 Exhibit Six is just a sheet listing A. 18 some well information on the Osudo State Com No. 1, located 19 in Section 18, showing the well was drilled in 1975 - 1976 to 20 a depth of 11,700 feet. 21 It was completed with perforations from 22 11,509 to 519. It was acidized and fracture treated. The 23 original bottom hole pressure was 5560 psi after 46-1/2 hour 24 shutin. Initial tubing pressure of 4228. Initial potential 25 of the well was 222 Mcf per day and to 1-1-81 the cumulative

13 1 2 production has been 208,000 Mcf. 3 Will you now refer to Exhibit Number Q. Seven and review this for the Examiner? 5 A Exhibit Seven is the monthly production 6 of the Osudo State Com No. 1 from January, 1977, to the 7 present. 8 Q. And will you now refer to your Exhibit 0 Number Eight? 10 Exhibit Number Eight is a production A. 11 history of three wells in the immediate vicinity, or three 12 of the older wells in the North Osudo Field; The Hamon State 13 "E", the Amerada Federal No. 1 and the Hamon Union State, 14 and this exhibit is included to show the initial shutin pres-15 sures as reported by the operators and the pressure decline 16 and the production cumulatives for those wells. 17 Of note is the very high initial shut-18 in pressures, the very rapid decline in tubing pressure and 19 the fact that during the first year production almost half 20 of the total cumulative production of the wells has been 21 recovered during the first year. 22 Based on this data would you conclude 0. 23 that the wells are drilling -- are draining a relatively 24 limited area?

25

A.

Yes, this reinforces the -- Mr. Scott's

1		14
2	testimony that the sa	ands are erratic and discontinuous.
3	Q.	In your opinion would granting this
4	application impair th	ne correlative rights of any other operator
5	in the immediate area	17
6	A.	No, it would not.
7	\$	Would it be in the best interest of
8	conservation and the	prevention of waste?
9	A	I believe it would be.
10	Q.	Have you given notice to the offsetting
11	operators of this hea	aring today?
12	A.	Yes, sir, I have.
13	ý	Have you talked with any of the operators
14	personally?	
15	A.	Only with the Hamon personnel, and they
16	have not entered any	objection to our application.
17	Q	You did give notice to the operators to
18	the north?	and and a second se
19	A.	Yes, to Samedan.
20	Q.	Mr. Swendig, were Exhibits Six through
21	Eight prepared by you	u?
22	A	Yes, they were.
23		MR. CARR: At this time, Mr. Nutter we
24	would offer Applican	t's Exhibits Six through Eight.
2 5	ı 	MR. NUTTER: Exhibits Six through Eight

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1 15 2 will be admitted in evidence. 3 MR. CARR: I have nothing further on 4 direct. 5 CROSS EXAMINATION 7 BY MR. NUTTER: 8 Mr. Swendig, apparently your existing Ũ. 9 well is -- the Osudo State Com 1 started out producing appro-10 ximately 200 Mcf per day and it's declined down to where it 11 has been producing about 100 Mcf per day --12 Yes, sir. A. 13 --- for quite awhile now. n. 14 This is true. A. 15 Do you feel like it's time to try to Û. 16 get some more gas out of this unit? 17 Well, we've, as Mr. Scott said, we've A. 18 drilled into a very tight area. I neglected to mention that 19 on our initial completion we did run a bottom hole pressure 20 buildup test and the buildup test indicated we had less than 21 0.1 millidarcy permeability after treating. 22 Well now, the well was treated with a Q. 23 fairly substantial fracture job, but I think they're probably 24 using a little bit heavier stimulation on some of these Morrow 25 wells now than they were then, aren't they?

22 23 24 usi

Î 16 2 I would suspect so. Yes, sir, they've A. 3 gone to much larger stimulation treatments than what we were 4 doing in '75 - '76. 5 Has this well ever been reworked? Q. 6 A. No, sir, it has not. This is still the 7 original completion. 8 MR. NUTTER: Are there any further 9 questions of Mr. Swendig? He may be excused. 10 Do you have anything further Mr. Carr? MR. CARR: Nothing further, Mr. Nutter. 11 12 MR. NUTTER: Does anyone have anything 13 they wish to offer in Case Number 7183? 14 We'll take the case under advisement. 15 16 (Hearing concluded.) 17 18 19 20 21 22 23 24 25

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Page _____

CERTIFICATE

I, SALLY W. BOYD, C.S.R., DO HEREPY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Sally W. Boyd C.S.E.

I do hereby certify that the foregoing is a co 1:0 Examiner 1:0 Concervation Division Oil

SALLY W. BOYD, C.S.R. Ki. 1 Box 193-B Sania Fe, New Markou 17301 Phone (303) 455-7409 1

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STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

POST OFFICE BOX 200 STATE LAND CITICE BULDING SANTA PE, NEW MEXICO 87501 005) 827-2434

April 9, 1981

Mr. William F. Carr Campbell, Byrd & Black Attorneys at Law Post Office Box 2208 Santa Fe, New Mexico

CASE NO. Re: 191 ORDER NO.

Applicant:

Flag-Redfern fil Company

Dear Sir:

Enclosed herewith are two copies of the above-referenced Division order recently entered in the subject case.

Pours very truly, JOE D. RAMEY Director

JDR/fd

Copy of order also sent to:

Hobbs OCD	x
Artesia OCD	X
Aztec OCD	

Other

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING Called by the oil conservation Division for the purpose of Considering:

CASE NO. 7183 Order No. R-6640

APPLICATION OF FLAG-REDFERN OIL Company for an unorthodox gas Well Location, lea county, new Mexico.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 s.m. on March 25, 1981, at Santa Fo, New Mexico, before Examiner Daniel 5. Nutter.

NOW, on this <u>7th</u> day of April, 1981, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notics having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Flag-Redfern Oil Company, seeks approval of the unorthodox gas well location of its Osudo State Com Well No. 2 to be drilled 990 feet from the North line and 990 feet from the East line of Section 18, Township 20 South, Range 36 East, NMPM, to test the Morrow formation, North Osudo-Morrow Gas Pool, Lee County, New Mexico.

(3) That all of said Section 18 is to be simultaneously dedicated to said well and to applicant's Osudo State Com Well No. 1 located in Unit J of said Section 18.

(4) That a well at said unorthodox location will better enable applicant to produce the gas underlying the proration unit.

(5) That no offset operator objected to the proposed unorthodox location. +2-Case No. 7183 Order No. 8-6640

(5) That approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the gas in the subject pool, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the sugmentation of risk arising from the drilling of an excessive humber of wells, and will otherwise prevent wasts and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That an unorthodox gas well location for the Morrow formation is hereby approved for the Flag-Redfern Dil Company Daudo State Com Well No. 2 to be located at a point 990 feet from the North line and 990 feet from the East line of Section 18, Township 20 South, Range 36 East, NMPM, North Daudo-Morrow Gas Pool, Lee County, New Mexico.

(2) That all of said Section 18 shall be dedicated to the above-described well and to applicant's Osudo State Com Well No. 1 located in Unit J of said Section 18.

(3) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinaboyg designated.

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STATE OF NEW MEXICO OIL CONSERVATION DIVISION joë d. RAMEY Director

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i 2 3 4	ENERGY AND OIL CONSI STATE L SANTA 1 11 M	OF NEW MEXICO MINERALS DEPARTMENT ERVATION DIVISION AND OFFICE BLDG. FE, NEW MEXICO arch 1981
` 5	EXAM	INER HEARING
**************************************	IN THE MATTER OF: Application of Flag Company for an uno location, Lea Count	rthodox gas well) CASE
10	BEFORE: Richard L. Stamets	· · · · · · · · · · · · · · · · · · ·
71		· · · ·
Q 12 13 14	TRANSCRI	PT OF HEARING
	APPE	ARANCES
15		
16 17 18	For the Oil Conservation Division:	Ernest L. Padilla, Esq. Legal Counsel to the Division State Land Office Bldg. Santa Fe, New Mexico 87501
19 20 21 1 22	For the Applicant:	W. Thomas Kellahìn, Esq. KELLAHIN & KELLAHIN 500 Don Gaspar Santa Fe, New Mexìco 87501
25		

		r	
		1	2
		2	MR. STAMETS: We'll call Case 7183.
		3	MR. KELLAMIN: Mr. Stamets, the applicant
	: :	4	requests this case be continued to the hearing on March 25th.
		5	MR. STAMETS: Case 7183, being application
	, în	6	of Flag-Redfern Oil Company for an unorthodox gas well loca-
		7	tion, Lea County, New Mexico, will be continued to the March
2.2.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4		8	25th Examiner Hearing.
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		10	(Hearing concluded.)
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SALLY W. BOYD, C.S.

I, SALLY W. BOYD, C.S.R., DO HEREPY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Sally W. Boyd C.S.E.

I do hereby certify that the foregoing is a comula e Harsein the Era 7183 ð hear Examiner 2.00

Oll Conservation Division

1 2 3 4	ENERGY AND OIL CONSE STATE LA SANTA E 11 Ma	OF NEW MEXICO MINERALS DEPARTMENT ERVATION DIVISION AND OFFICE BLDG. FE, NEW MEXICO arch 1981 INER HEARING	
- 5 - 6 - 7 8 9	IN THE MATTER OF: Application of Flag)) g-Redfern Oil) rthodox gas well)	CASE 7183
10 11 12 13 14 15		PT OF HEARING	
16 17 18 19	For the Oil Conservation Division:	Ernest L. Padilla Legal Counsel to State Land Office Santa Fe, New Mex	the Division Bldg.
20 • 21 • 22 23	For the Applicant:	W. Thomas Kellahi KELLAHIN & KELLAH 500 Don Gaspar Santa Fe, New Mex	IN
24 25			

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		10	(Hearing concluded.)	
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SALLY W. BOYD, C.S.R. Rt. 1 Box 193-B Sanla Fe, New Merica Press.

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enc (505) 455-7419

I, SALLY W. BOYD, C.S.R., DO HEREPY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Surry W. Boyd C.S.E.

I do hereby certify that the foreaoing is a complete the Examples of a state of the first of the first of the state of the Oil Concervation Division , Examiner FLAG-REDFERN OIL COMPANY Osudo State Com. No. 1 Unit J, Section 18, T-20-S, R-36-E Lea County, New Mexico

WELL INFORMATION

November 16, 1975

January 21, 1976

11,700 feet

Spudded: Completed: Total Depth:

Casing:

Perforations:

Acidized:

Fractured:

Bottom Hole: Pressure

Initial Tubing: Pressure

Initial Potential:

Cumulative: Production

1

5½" liner from 10,537 feet to 11,665 feet

11,509 - 11,519

13 3/8" @ 272 feet

9 5/8" @ 5030 feet 7" @ 10,780 feet

1000 gals 15% Morrow-Flo acid

1500 gals gelled KCL water 9000 lbs 20-40 mesh sand 3000 lbs U-Car glass beads 1000 SCF CO₂ per bb1

5560 psi after 46½ hrs. SI

4228 psi after 46½ hrs. SI.

222 MCF/D

208,501 MCF 1-1-81



OSUDO ST. COM. NO. 1 Osudo, North Field Lea County, New Mexico

	Mor	thly Gas Productio	<u>n</u>
January 1977		2371	
February		5012	
March		6767	
April		6104	
May		6391	
June		5712	
July		5517	
August		5625	
September		5630	
October		5922	
November		4873	
December		5213	
January 1978		4989	
February		5878	
March		5845	
April		3378	
May		5312	
June		5017	
July		4751	
August		4294	
September		5036	
October		5376	
November December		7145	
December	•	4624	
January 1979		4954	
February		4095	
March	•	4346	
April		4237	
May		4038	
June		3833	
July		3744	
August		3701	
September		3568	
October		3643	
November		0	
December		3078	
January 1980		3234	5
February		3162	
March		3360	
April		3432	
May	en transference and a second production and a second state	3371	
June	BEFORE EXAMINER NUTTER	3023	
Ĩ	OIL CONSERVATION DIVISION		
	EM-BEENEXHIBIT NO. 7		
	CASE NO. TIBS	. [

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Continued Page 2 Monthly Gas Production

	Monthly Gas Production
July 1980	2740
August	3339
September	3309
October	3504
November	2973
December	3035
January 1981	2919
February	2845

Cumulative Total as of 3-1-81

214,265

n an		1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965		
		155	162	168	173	212	219	204		291	399	532	807	1254	2298	4076	SITP	4
		. 8908	8802	8683	8542	8407	8242	8131		7809	7544	7172	6778	591()	4491		MMcf Cum. (]as	Hamon State
		74,978 .	74,978	74,978	74,978	74,978	74,978	74,978		74,828	74,494	73,940	73,102	71,199	60,322		Bbls, Cumn Cond,	
		187	159	168	60	178	192	197		271	384	654	783	1387	4991		SITP	Hanon
		5507	5473	5367	5337	5236	5122	4996	£	4705	4450	4034	3628	~		ţ	MMcf Cumn. Gas	An erada-Fed.
		75,089	75,089	75,025	75,025	74,922	74,846	74,806		74,274	73,797	7'2,541	70,889				Bbls Cum. Cond.	
	BI:FORE EXAMINER NUTTEL CIL CONSERVATION DIVISION DATE: EXHIBIT NO. 8 CASE NO. 7/85	276	463	866	59	34 5	248	302		412	501	069	917	1370	3600		SITP	Ham
	EXAMINER NUTTER SERVATION DIVISION EXHIBIT NO. <u>B</u>	5938	59'31	5881	5823	5732	5631	5519		5118	4760	4186	3580	2475			MMcf Cum,Gas	Hamon Union St.
		29,950	29,948	29,899	29,855	29,802	29,714	29,630		29,289	28,911	27,930	26,109	21,091			Bbls Cum Cond	

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FLAG-REDFERN OIL COMPANY Osudo State Com. No. 1 Unit J, Section 18, T-20-S, R-36-E Lea County, New Mexico

WELL INFORMATION

Spudded:

Completed:

Total Depth:

Casing:

Perforations:

Acidized:

Fractured:

Bottom Hole: Pressure

Initial Tubing: Pressure

Initial Potential:

Cumulative: Production November 16, 1975

January 21, 1976

11,700 feet

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11,509 - 11,519

1000 gals 15% Morrow-Flo acid

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5560 psi after 46½ hrs. SI

4228 psi after 464 hrs. SI.

222 MCF/D

208,501 MCF 1-1-81

BEFORE EXAMINER NUTTER OIL CONSERVATION DIVISION

OSUDO ST. COM. NO. 1 Osudo, North Field Lea County, New Mexico

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January 1977	2371
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August	4751
September	4294
October	5036
November	5376
December	7145 4624
January 1979	4954
February	4095
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April	4237
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August	3701
September	3568
October	3643
Novem ber	0
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January 1980	3234
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April	3432
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June BEFORE EXAMINER NUTTER OIL CONSERVATION DIVISION DAG_REDMORTXHIBIT NO. 7 CASE NO. 7183	3023
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Continued Page 2 Monthly Gas Production

	Monthly Gas Production
July 1980	2740
August	3339
September	3309
October u	3504
November	2973
December	3035
January 1981	2919
February	2845

Cumulative Total as of 3-1-81 214,265

		BEFORE EXAMINER NUTTER OIL CONSERVATION DIVISION							
	 -			•			• .		
29,950	5938	276	75,089	5507	187	74,978	8068	155	1979
29,948	5931	463	75,089	5473	159	74,978	8802	162	1978
29,899	5881	866	75,025	5367	168	74,978	8683	168	1977
29,855	5823	59	75,025	5337	60	74,978	8542	173	1976
29,802	5732	345	74,922	5236	178	74,978	8407	212	1975
29,714	5631	248	74,846	5122	192	74,978	8242	219	1974
29,630	5519	302	74,806	4996	197	74,978	8131	204	1973
									1972
29,289	5118	412	74,274	4705	271	74,828	7809	291	1971
28,911	4760	501	73,797	4450	384	74,494	7544	399	1970
27,930	4186	069	72,541	4034	654	73,940	7172	532	1969
26,109	3580	917	70,889	3628	783	73,102	6778	807	1968
21,091	2475	1370			1387	71,199	5910	1254	1967
		3600			4991	60,322	4491	2298	1966
		·						4076	1965
Bbls Cum Cond.	MMcf Cum · Gas	SITP	Bbls Cum. Cond.	MMcf Cum. Gas	SITP	Bbls. Cum Cond.	MMcf Cum. Gas	SITP	
	Hamon Union St.	Hamo		Hamon Anerada-Fed.	Hamon	छ.	Hamon State B		

EMARTE DEXHIBIT NO. 18 CASE NO. 183

Page 2 of 4 Examiner Hearing - Wednesday - March 25, 1981

- CASE 7200: Application of Estoril Producing Corporation for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Belco Fed. Well No. 1 located in Unit 0 of Section 15, Township 23 South, Range 34 East, to produce gas and gas liquids from the Strawn and Morrow formations. Antelope Ridge Field, thru parallel strings of tubing.
- CASE 7201: Application of Layton Enterprises, Inc. for a unit agreement, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Todd Lower San Andres Unit Area, comprising 3256 acres, more or less, of Federal and State lands in Township 7 South, Ranges 35 and 36 East.
- <u>CASE 7202</u>: Application of Layton Enterprises, Inc. for a waterflood project, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project by the injection of water into the San Andres formation thru 4 injection wells located in Sections 30, 31 and 32 of its Todd Lower San Andres Unit in Township 7 South, Range 36 East.
- <u>CASE 7203</u>: Application of Southern Union Exploration Co. of Texas for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Susco Bough "C" Unit Area, comprising 2560 acres, more or less, of State lands in Township 10 South, Range 33 East.
- CASE 7204: Application of Bass Enterprises Production Company for salt water disposal, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Delaware formation in the interval from 3820 feet to 3915 feet in its Federal Legg Well No. 1 in Unit B of Section 27, Township 22 South, Range 30 East, Quahada Ridge Field.
- <u>CASE 7205</u>: Application of Supron Energy Corporation for a non-standard gas proration unit, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 160-acre non-standard Blanco Mesaverde gas proration unit comprising the NE/4 of Section 35, Township 31 North, Range 12 West, to be dedicated to a well to be drilled at a standard location thereon.

CASE 7183: (Continued from March 11, 1981, Examiner Hearing)

Application of Flag-Redfern Oil Company for an unorthodox gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill its Osudo St. Com Well No. 2 at an unorthodox location 990 feet from the North and East lines of Section 18, Township 20 South, Range 36 East, North Osudo-Morrow Gas Pool.

- CASE 7206: Application of Mobil Producing Inc. for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Devonian formation through perforations from 12,212 feet to 12,218 feet and the open hole interval from 12,240 feet to 12,555 feet in its Santa Fe Pacific Well No. 3 in Unit M of Section 26, Township 9 South, Range 36 East, Crossroads Field.
- CASE 7207: Application of Mobil Producing Inc. for lease commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the commingling of Vacuum Grayburg-San Andres production from the State J and State II leases in Section 22, Township 17 South, Range 34 East.
- CASE 7208: Application of Gulf Oil Corporation for the amendment of pool rules, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of the White City-Pennsylvanian Gas Fool Rules to provide for 320-acre spacing rather than 640 acres with well locations specified as being at least 1650 feet from the end boundary and 660 feet from the side boundary of the proration unit.
- CASE 7129: (Continued from February 25, 1981, Examiner Hearing)

Application of Koch Exploration Company for compulsory pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Dakota formation underlying the N/2 of Section 28, Township 28 North, Range 8 West, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 7169: (Continued from February 25, 1981, Examiner Hearing)

Application of Koch Exploration Company for compulsory pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Dakota formation underlying the S/2 of Section 22, Township 28 North, Range 8 West, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well. Dockets Nos. 12-81 and 13-81 are tentatively set for March 25 and April 8, 1981. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - MARCH 11, 1981

9 A.M. - OIL CONSERVATION DIVISION CONFERENCE ROOM, STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Richard L. Stamets, Examiner, or Daniel S. Nutter, Alternate Examiner:

- ALLOWABLE: (1) Consideration of the allowable production of gas for April, 1981, from fifteen prorated pools in Lea, Eddy, and Chaves Counties, New Mexico.
 - (2) Consideration of the allowable production of gas for April, 1981, from four prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.
- CASE 7176: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit Marjory M. Grier, U. S. Casualty Company of New York, and all other interested parties to appear and show cause why the Red Mountain Wells Nos. 6, 7, and 10, all located in Unit B of Section 29, Township 20 North, Range 9 West, McKinley County, should not be plugged and abandoned in accordance with a Division-approved plugging program.
- <u>CASE 7177</u>: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit llenry S. Birdseye and all other interested parties to appear and show cause why the State Well No. 10-2 in Unit G of Section 10, Township 19 North, Range 10 West, McKinley County, should not be plugged and abandoned in accordance with a Division-approved plugging program.
- CASE 7178: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit Noland and Wells and all other interested parties to appear and show cause why the Reinhardt Well No. 1 in Unit A of Section 21, Township 29 North, Range 11 West, San Juan County, should not be plugged and abandoned in accordance with a Division-approved plugging program.
- CASE 7179: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit "26" Oil Company and all other interested parties to appear and show cause why the Jackson Well No. 1 in Unit A of Section 21, Township 29 North, Range 11 West, San Juan County, should not be plugged and abandoned in accordance with a Division-approved plugging program.
- CASE 7180: In the matter of the hearing called by the Oil Conservation Division on its cwn motion to permit Vincent and Goodrum and all other interested parties to appear and show cause why the Refinery Hare Well No. 1 in Unit A of Section 21, Township 29 North, Range 11 West, San Juan County, should not be plugged and abandoned in accordance with a Division-approved plugging program.
- CASE 7181: Application of Read & Stevens, Inc. for a unit agreement, Chaves County, New Mexicc. Applicant, in the above-styled cause, seeks approval for the Hernandez Draw Unit Area, comprising 2,560 acres, more or less, of Federal, State, and Fee lands in Townships 4 and 5 South, Ranges 26 and 27 East.
- CASE 7182: Application of Wiser Oil Company for an unorthodox well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its Downes A Well No. 5 to be drilled in the approximate center of the SW/4 of Section 32, Township 21 South, Range 37 East, Penrose Skelly Pool.

CASE 7183:

Application of Flag-Redfern Oil Company for an unorthodox gas well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill its Osudo St. Com Well No. 2 at an unorthodox location 990 feet from the North and East lines of Section 18, Township 20 South, Range 36 East, North Osudo-Morrow Gas Pool.

CASE 7147: (Readvertised)

Application of Yates Petroleum Corporation for an unorthodox gas well location and simultaneous dedication, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a well to test all Pennsylvanian formations to be drilled 1650 feet from the South line and 660 feet from the East line of Section 35, Township 18 South, Range 25 East, the S/2 of said Section 35 to be dedicated to said well and to applicant's "JX" Well No. 2 located in Unit N.

CASE 7184: Application of Harvey E. Yates Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Morrow formation underlying the E/2 of Section 13, Township 17 South, Range 28 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.



Flag-Redfern Oil Company

1200 WALL TOWERS WEST MIDLAND, TEXAS 79701 .



February 6, 1981

SANTA FE

Mailing address: P.O. Box 2280 Midland, Texas 79702

PHONE (915) 683-5184

File:

Cuse 7183

New Mexico Oil Conservation Commission P.O. Box 2088 Santa Fe , New Mexico 87501

Gentlemen:

Flag-Redfern Oil Company proposes to drill the Osudo St. Com No. 2 to be located 990' feet from the north line and 990 feet from the east line of Section 18, Township 20S, Range 36E, Lea County New Mexico. A. are Water .

New Mexico. The proposed sell will be in the Osudo Morrow, North Field for which field rules require 640 acre proration units and spacing of 1650 feet from the section lines. Flag-Redferu Oil Company requests a hearing before an Examiner of the Commission for a second well on a proration unit and for an unorthodox location. We respectfully request the hearing be docketed for the first hearing date in March 1992. Copies of this request and the to the offset operators listed below by certified mail.

Copies to:

J.L. Hamon 611 The Petroleum Bldg. Midland, TX 79701

Samedan Oil Corporation 900 Wall Towers East Midland, Texas /9701



PRAFT

dr/

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

	CASE NO.		7183	
	ORDER NO.	R	6640	
DEERN	DIL COMPANY			

APPLICATION OF FLAG-RED FOR AN UNORTHODOX GAS WELL LOCATION,

LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on March 25 DSN 19 81, at Santa Fe, New Mexico, before Examiner Rich NOW, on this day of March , 1981 , the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Flag-Redfern Oil Company seeks approval of an unorthodox gas well location to be drilled feet from the North line and 990 feet from the line of Section 18 , Township 20 South East Range 36 East , NMPM, to test the Morrow formation, North Osudo-Morrow Gas Pool, Lea County, New Mexico.

That the all of said section 18 is to be Welland to applicant's Osado State Come Will No. 1 dedicated to said located in Whit 1 of said Section - 18.

(4) That a well at said unorthodox location will better enable applicant to produce the gas underlying the proration unit.

(5) That no offset operator objected to the proposed unorthodox location.

-2-Case No. Order No. R-_____

(6) That approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the gas in the subject pool, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That an unorthodox gas well location for the <u>Morrow</u> the Flag-Redfern Oil Company Osudo State Com. Well No. 2 formation is hereby approved for axwedd to be located at a point <u>990</u> feet from the <u>North</u> line and <u>990</u> feet from the <u>East</u> line of Section <u>18</u>, Township <u>20 South</u>, Range <u>36 East</u> NMPM, <u>North Osudo-Morrow Gas</u> Pool, <u>Lea</u> County, New Mexico.

(2) That the <u>all</u> of said Section <u>18</u> shall be dedicated to
 the above-described well and to applicant's Osudo State Com. Will No.
 (3) That jurisdiction of this cause is retained for the entry of such

further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.