

District II

811 South First Street, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, New Mexico 87505

APR 26 2001

APPLICATION FOR DOWNHOLE COMMINGLING

APPLICATION TYPE

☒ Single Well
Establish Pre-Approved Pools
EXISTING WELLBORE
☒ Yes ☐ NoMcKay Oil Corporation
OperatorP.O. Box 2014, Roswell, NM 88202
AddressLG-7982
Lease(Samedan State) 16-4
Well No.0-16-T7S-R26F
Unit Letter-Section-Township-RangeChaves
CountyOGRID No. 14424 Property Code 18693 API No. 30-005-61813 Lease Type: ☐ Federal ☒ State ☐ Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Pecos Slope Abo		Leslie Spring Wolfcamp
Pool Code	82730		80146
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	4198' - 4216'		4553' - 4560'
Method of Production (Flowing or Artificial Lift)	Flowing		Flowing
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	69 psi		277 psi
Oil Gravity or Gas BTU (Degree API or Gas BTU)	N/A		N/A
Producing, Shut-In or New Zone	producing		shut-in
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: 10/11/00 Rates: 16 MCFD	Date: Rates:	Date: 5/12/92 Rates: 56 MCFD Not Accurate flow rate - well shut-in
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil Gas % 40 %	Oil Gas % %	Oil Gas % 60 %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones?
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail?Yes ☒ No ☐
Yes ☐ No ☐

Are all produced fluids from all commingled zones compatible with each other?

Yes ☒ No ☐

Will commingling decrease the value of production?

Yes ☐ No ☒If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands
or the United States Bureau of Land Management been notified in writing of this application?Yes ☐ No ☒

NMOCD Reference Case No. applicable to this well: _____

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Bill J. Milstead TITLE Vice President DATE April 23, 2001TYPE OR PRINT NAME Bill J. Milstead TELEPHONE NO. (505) 623-4735

**N 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

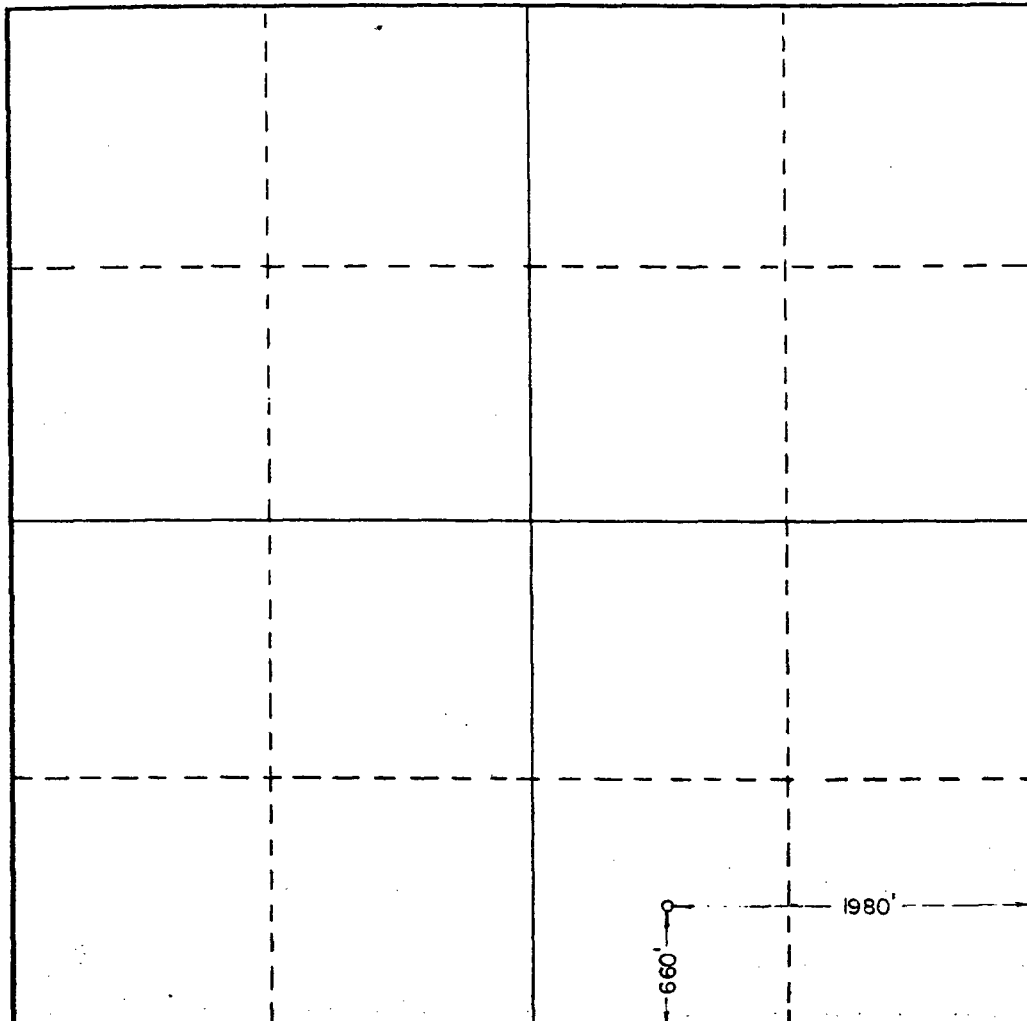
Operator Samedan Oil Corporation			Lease State		Well No. 4
Unit Letter 0	Section 16	Township 7 South	Range 26 East	County Chaves County	
Actual Footage Location of Well: 1980 feet from the East line and 660 feet from the South line					
Ground Level Elev. 3699.4	Producing Formation		Pool Leslie Spring Wolfcamp	Dedicated Acreage: 160.00 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, 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.

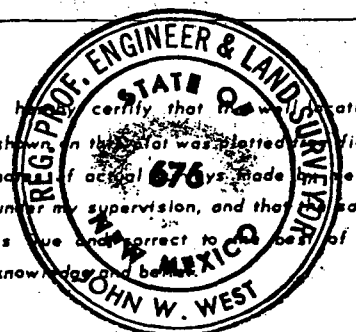
Name _____

Position _____

Company _____

Date _____

I hereby certify that the well location shown on this plat was plotted on field notes of actual 676 yds. 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
October 15, 1982

Registered Professional Engineer
and/or Land Surveyor

John W. West

Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 6863
Ronald J. Eidson 3235



**MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-11
Effective 1-1-65

All distances must be from the outer boundaries of the Section

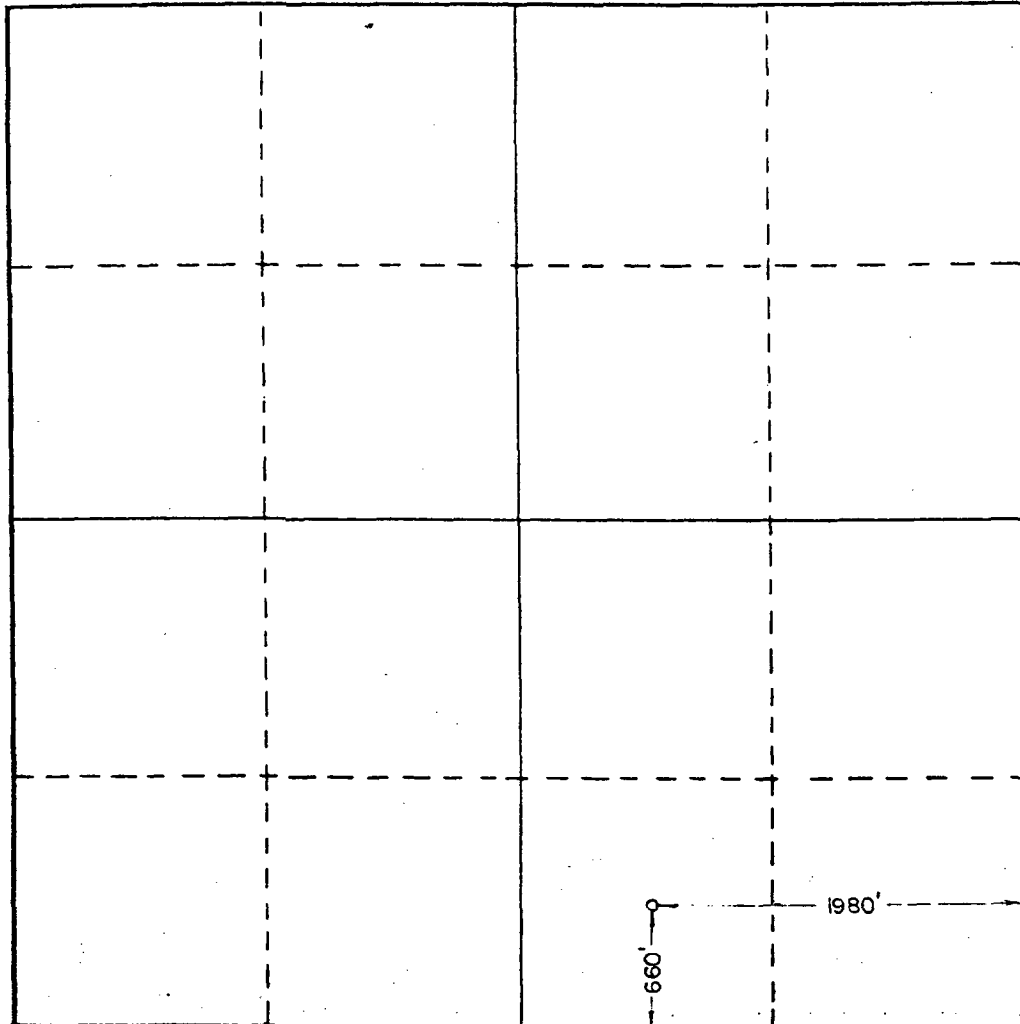
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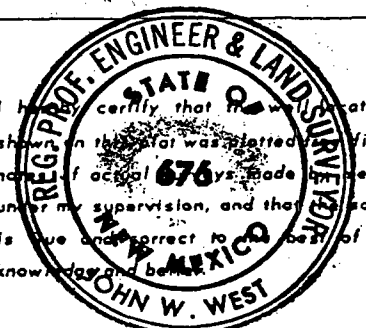
Name _____

Position _____

Company _____

Date _____

I hereby certify that the information shown on this plat was plotted by field notes of actual **676** yrs. 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
October 15, 1982

Registered Professional Engineer
and/or Land Surveyor

John W. West
Certificate No. **JOHN W. WEST 676**
PATRICK A. ROMERO 686
Ronald J. Eidson 323

LESLIE SPRING WOLFCAMP FORMATION

The Leslie Spring Wolfcamp Formation has been shut-in in this well since May, 1992. There has been no production after that date. The packer tests that have been run on the well since then has indicated that the formation is capable of production; however, the Wolfcamp formation needs some remedial work prior to placing it on production. This cannot be done with the packer in the hole.

WELL S T R	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC 1991	PROD PP	ACCU
2030 5525E GAS	1084	909	440	759	476	476	1143	1001	744	1106	1020	1041	10199	180746
3M29 5525E OIL	4700	3693	1603	2614	901	901	4305	3663	2435	4175	6128	4285	39403	809139
4029 5525E GAS	1613	1252	575	981	49	49	1364	1160	767	1431	2075	1405	12721	263920
5830 5525E OIL	4078	3303	3853	3170	1388	1388	3543	3486	2641	3681	5499	3621	39651	557343
6F30 5525E GAS	3147	2150	3587	1958	359	359	2786	2483	1788	2760	4732	2841	28950	412798
7C29 5525E GAS	2406	1625		1646	1813	1813	2189	2062	1750	1901	2302	1752	21259	111231
8M29 5525E GAS	1308	900		819	903	903	1266	1137	957	969	1487	967	11816	276511
9M29 5525E GAS	8250	5159		3885	4024	4024	6568	5866	3776	5762	7132	5126	59370	268102
10D29 5525E GAS	11368	6335		3912	4687	4687	7867	7047	4864	6508	8590	5940	71805	346502
11B29 5525E GAS	8671	5502		4187	4902	4902	6929	6448	4623	5848	7859	5490	65361	284754
LEASE T3TAL	48193	32069	10576	24713	19730	19730	39448	35604	25137	35623	48219	33924	372966	356253
COMPANY TOTAL OIL														471
GAS	66720	46844	11971	27944	24504	36918	57599	51720	39900	51471	63359	46282	527232	620569
WAT														176
MESA PETROLEUM COMPANY *****														
ROCK FEDERAL														
4C 6 8523F GAS				PLUGGING APPROVED 1983										6597
WAT														2
SALT FEDERAL														
30 5 8523E GAS				PLUGGING APPROVED 1983										6231
WAT														95
COMPANY TOTAL GAS														12828
WAT														97
MESA OPERATING LIMITED PARTNERSHIP *****														
ACME														
9E28 8526E GAS				PLUGGING APPROVED 1987										16537
OIL														10
WAT														
ALKALI FEDERAL COM														
5K15 5525E GAS				PLUGGING APPROVED 1987										1848
WAT														390
BEDFORD FEDERAL														
2A18 6525E GAS				PLUGGING APPROVED 1986										14219
WAT														220
CAMACK FEDERAL														
1J 9 5524E GAS				PLUGGING APPROVED 1986										4885
OIL														2
WAT														734
COYOTE FEDERAL														
3B17 7525E GAS				PLUGGING APPROVED 1986										17404
WAT														4
Y 7P 5 7525E GAS				PLUGGING APPROVED 1986										12782
LEASE T3TAL														30186
GARCIA FEDERAL														
1111 8524E GAS				PLUGGING APPROVED 1987										9314
WAT														119
SALT FEDERAL														
5N 4 8523E GAS				PLUGGING APPROVED 1986										6984
WAT														332
5J 4 8523E GAS				PLUGGING APPROVED 1986										12813
LEASE T3TAL														19797
COMPANY TOTAL OIL														651
GAS														6
WAT														96586
MYCO INDUSTRIES INC *****														
FRANK S. CO														
111E 8524E GAS		10235	9427	9376	3919	40	19		14	2971	8417	4891	49309	49309
WAT										4	15		19	19
M. DALE NICHOLS *****														
DEB STATE COM														
111O 8526E GAS	63	31	43	39	32	36	35	31	31	30	28	30	429	35486
PETROLEUM DEVELOPMENT CORP. *****														
ISLER-PENNZOLL FEDERAL														
1M 3 7526E GAS	2748	2530	2493	2452	2258	2084	2059	2217	1998	2125	2480	2085	27529	407526
20 3 7526E GAS	1321	1374	1448	1492	1402	1361	1302	1665	1341	1404	1351	1335	18796	157915
LEASE T3TAL	4069	3904	3941	3944	3660	3445	3361	3882	3339	3529	3831	3420	44325	567130
LAURALE														
1D35 7526E GAS	2759	607	578	170	324		246	673		2085	2274	3038	12754	407942
2L35 7526E GAS	4996	1261	1250	366	785		15	1417		4857	3435	8896	22728	103686
LEASE T3TAL														55
STEVENS PEDCO														
1128 7526E GAS	7755	1868	1828	536	1109		261	2090		6942	5709	11934	40032	1444330
COMPANY TOTAL OIL														55
GAS	14025	7135	7710	7617	6114	4528	5000	5082	7096	11968	10403	17057	103735	2831726
PRITHARD OPERATING INC. *****														
OSAGE #33 COM														
UNION 33 FEDERAL														
1J33 6526E GAS	1665	1203	1380	1172	1110	1082	1010	1013	832	893	751	797	12908	101500
LEASE T3TAL	28711	25563	29618	28759	27037	26178	25459	27604	25561	25719	24642	22388	317239	1730846
2K33 6526E OIL	1689	1410	1741	1528	1304	1221	1349	1227	1274	1175	1286	1216	16420	31
LEASE T3TAL	30400	26973	31359	30287	28341	27399	26808	28831	26835	26894	25928	23604	333659	1801748
COMPANY TOTAL OIL														31
GAS	32365	28176	32739	31459	29451	28481	27818	29844	27667	27787	26679	24401	346567	1903448
SAMEDAN OIL CORPORATION *****														
STAT 15														
3E10 7526E GAS	973	797	1066	958	665	227	792	717	794	793	963	909	9654	350690
4010 7526E GAS	1295	1061	1343	1213	890	1545	1078	1015	977	1105	1223	1191	13936	336354
COMPANY TOTAL GAS	2268	1858	2409	2171	1555	1772	1870	1732	1771	1898	2186	2100	23590	687344
SANDERS OIL & GAS CO. *****														
KILLGORE ET AL														
WARTIN 71 8526E GAS	1195	1350	1389	1094	857	832	835	903	966	1005	964	972	12362	72459
LEASE T3TAL	1226	1469	1476	1360	1418	1445	1448	1335	1285	1329	1294	1278	16363	113509
COMPANY TOTAL GAS	2421	2819	2865	2454	2275	2277	2283	2238	2251	2334	2258	2250	28725	185968
SANDERS PETROLEUM CORP. *****														
MUGGINS DRAW														
1K29 5524E GAS	1122	1073	359	1073	662	1045	880		652	1022	1107	845	9840	192400
ISLER F-FEDERAL														
1N 6 7527E GAS														
LEASE T3TAL														
2F 6 7527E GAS														
COMPANY TOTAL GAS														
ISLER FFE														
1D14 7526E GAS	1444	411	520	411	481			751	1918	1673	1207	8816	13387	338914
LEASE T3TAL	2716	363	815	363	751			605	1685	1715	1273	8321	17157	503607
MCRAE-SAMEDAN														
2D16 7526E GAS	933	267	221	267	407			449	1254	1173	1730	6751	225208	
LEASE T3TAL	2573	559	269	559				623	683	859	2036	8361	119912	55
COMPANY TOTAL GAS	3556	826	490	826	407			1072	2137	2032	3766	15112	1424329	95
MICHAEL ERIC *****														
1D22 7524E GAS	636	148	135	148	274			685	1213	1638	1827	6704	142492	
LEASE T3TAL	910	238	214	238	286			471	1188	1627	2440	7612	397281	
COMPANY TOTAL GAS	1546	386	349	386	560			1156	2401	3265	4267	14316	539773	
WAT	8940	3359	2013	3359	2360	1045	880	4236	9163	9792	11858	96405	298390	998
CARL & SCHELLINGER *****														
CAMPBELL STEEL UNIT														
1M34 8527F GAS	1266	1190	1231	1039	1189	1248	1256	1241	1295	1197	1144	1205	14501	207176