

Abandoned Location

MST_KARDEX

Rcd. 26561

API No. 30-039-25581 Date Apprv. 05/20/96 Land F

Pool Code 72319 OGRID 120782

FtLoc.1250/S;790/E Elev.6438 GL Spd. / / Comp / / TD PB

Csg 1 @ W 2 @ W 3 @ W T @

Liner#1 @ W Liner#2 @ W

Csg4 @ W Csg5 @ W Csg.Perf Prod

IP After Hrs. SICP PSI After Days 1Del. / / T

TOPS GAS: R

Ojo Alam Greenhrn C-104 / / Status AL OIL: A

Kirtland Graneros Deviation CSG Test N

Frtland Dakota DITD / / AOF S

PC Morrison DITR / / Inject. F Multiple F

Chacra Entrada Ele.Log Packer YR.

Cliff H Nacimiento DFA / / '' Depth 1

Memefee Other DAC / / '' Depth 2

Pt Lkout Other1 Acres S/272.32 Joint

Mancos Other2 AC Factor Infilled

Gallup Other3 DHC

Pool Form Co S T R U Operator

BLANCO MESAVERDE MV RA 25 31N 06W O WILLIAMS PRODUCTION CO

Lse. ROSA UNIT No.160 Comments Command

|<F:>|MST_KARD |Record Unlocked|Re ? RLOCK() EDIT aps

OGRID	CDE	OGRID NAME	STREET	CITY	ST ZIP	WELL COUNT
37282		VICTORY OIL & GAS INC	435 N GUNBARREL LANE	GUN BARREL CITY	TX 75147	1
37402		PRONGHORN SWD SYSTEM,LTD.,CO.	PO BOX 1979	HOBBS	NM 88241	1
50589		BURNS OPERATING	P. O. BOX 97525	WICHITA FALLS,	TX 76307	1
64147		ENERGYPRO, INC.	750 PIPELINE COURT	HURST	TX 76053	1
122820		RM ENERGY	PO BOX 831	CASPER	WY 82602	1
123503		SUBSURFACE WATER DISPOSAL INC	PO BOX 1002	HOBBS	NM 88240	1
123720		SHEA-MEG CORP	2833 PECOS HIGHWAY	CARLSBAD	NM 88220	1
124398		RONADERO CO INC	PO BOX 430	ROSWEILL	NM 88202	1
124476		ADVANCED DOWNHOLE INC	PO BOX 5509	HOBBS	NM 88241	1
125566		MILTEX OIL CO	310 W ILLINOIS #204	MIDLAND	TX 79701	1
125723		BISCO INC	PO BOX 1055	LOVINGTON	NM 88260	1
127535		OIL & GAS OPERATIONS	HC 31, BOX 51-V-50	MIDLAND	TX 79707	1
130851		WASSERHUND INC	1613 S LOVE ST	LOVINGTON	NM 88260	1
131652		HRC INC	212 S GRIMES	HOBBS	NM 88241	1
138720		J R ABRAHAM	224 1ST NAT'L BANK BLDG	ALBUQUERQUE	NM 100 OLD	1
138975		FRANKLIN ASTON ; PAIR INC	PO BOX 1090	ROSWELL	NM 88201	1
139274		CHANTREY CORPORATION	4830 BAGSDALE	HOBBS	NM 88240	1
139718		JEAN DOVERSPIKE	C/O OIL REPORTS & GAS SVCS	HOBBS	NM 88241	1
141402		GREGG FULLER	PO BOX 578	JAL	NM 88252	1
141928		PATTERSON PETROLEUM INC	P O DRAWER 1416	SNYDER	TX 79550	1
142072		MIDDLE BAY OIL COMPANY INC.	115 SO DEARBORN ST	MOBILE	AL 36601	1
144401		KK OIL COMPANY	4006 CYNTHIA	MIDLAND	TX 79705	1
146781		DOYLE E BAXTER	P O BOX 27	BLOOMFIELD	NM 87413	1
147179		CHESAPEAKE OPERATING, INC.	P. O. BOX 18496	OKLAHOMA CITY	OK 731540496	1
147249		SPENERGY CORP	507 W TENNESSEE	MIDLAND	TX 79701	1
147380		PENWELL ENERGY INC	1100 ARCO BLDG	MIDLAND	TX 79701	1
147404		COBRA OIL & GAS CORPORATION	2201 KELL BLVD.	WICHITA FALLS	TX 76308	1
147965		D & J OIL COMPANY, INC.	4720 W, OWEN GARRIOTT	ENID	OK 73702	1
148219		KEYSTONE ENERGY LLC	PO BOX 962	FARMINGTON	NM 87499	1
148381		BELLWEATHER EXPLORATION COMPANY	1221 LAMAR	HOUSTON	TX 770103039	1
148400		SUSAN HONEYMAN CRAWFORD ET AL	C/O OIL REPORTS & GAS SERVICES	HOBBS	NM 88241	1
148437		GOLD STAR SWD LTD CO.	PO BOX 1480	EUNICE	NM 88231	1
149027		TEXON OIL COMPANY, INC.	PO BOX 472	MIDLAND	TX 79702	1
149035		BASIN OPERATING COMPANY	STE. 648 PETROLEUM BLDG	ROSWEILL	NM 88201	1
149161		AMPOLEX USA INC.	1050 17TH ST.	DENVER	CO 80265	1
149634		NEW HORIZON EXPLORATION, INC.	P. O. BOX 12386	DALLAS	TX 75225	1
150182		ROBERT L BAYLESS PRODUCER LLC	PO BOX 168	FARMINGTON	NM 87499	1
150917		SCHMIDT PRODUCTION	HC 78	LLAVES	NM 87027	1
151863		ENERLOC RESOURCES INC.	PO BOX 1375	ROSWEILL	NM 882021375	1
153281		FIVE STATES OPERATING COMPANY	4925 GREENVILLE AVE., STE 1220	DALLAS	TX 75206	1
153644		TERRY PATE	C/O OIL REPORTS	HOBBS	NM 88241	1
154332		GERMANY OIL COMPANY	4200 SKELLY DR, STE 1000	TULSA	OK 74135	1
75		A L DAUGHERTY	CLOVIS STAR ROUTE	ROSWEILL	NM 88210	0
525		AMERICAN COMETRA INC	500 THROCKMORTON SU 2500	FORT WORTH	TX 76102	0
582		AMERICAN PENN ENERGY INC	1675 LARIMER ST SU 800	DENVER	CO 80202	0
933		APOLLO OIL CO	P O BOX 755	HOBBS	NM 88241	0
1023		ARGEE OIL CO	401 W TEXAS SU 810	MIDLAND	TX 79701	0
1431		B & E INC	UNKNOWN	UNKNOWN	NM 99999	0
1575		BACA PETROLEUM CORP	111 RUE JEAN LAFITTE SU 101	LAFAYETTE	LA 80228	0

RECEIVED
MAY 22 1996

Form 3160-3

(December 1994)

OIL CON. DIV.
DIST. 8

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*

(Other instructions on
reverse side)

Form approved

Budget Bureau No. 1004-0136
Expires: December 31, 1991

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐		5. LEASE DESIGNATION AND SERIAL NO. SF-078766	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR WILLIAMS PRODUCTION COMPANY OGRID 120782		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. c/o Walsh Engr. & Prod. Corp. 7415 E. Main Farmington, N.M. 87402 (505) 327-4892		8. FORM OR LEASE NAME WELL NO. Rosa Unit #160 (17633) (008480)	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1250' FSL & 790' FEL At proposed prod. robe Same		9. AP WELL NO. 30-039-25581	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 25 miles NE of Blanco, NM		10. FIELD AND POOL, OR WELDCAT Blanco Mesa Verde 72319	
16. NO. OF ACRES IN LEASE 2552.71		11. EPC, T, L, M, OR MLK. AND SURVEY OR AREA Sec. 25, T31N, R6W	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1800'		12. COUNTY OR PARISH Rio Arriba	
19. PROPOSED DEPTH 6105		13. STATE NM	
21. ELEVATIONS (Show whether DP, RT, GR, etc.) 6438' GR		17. NO. OF ACRES ASSIGNED TO THIS WELL 3/272.32	
22. APPROX. DATE WORK WILL START* May 1996		20. ROTARY OR CABLE TOOLS Rotary	
23. PROPOSED CASING AND CEMENTING PROGRAM			

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8", K-55	36.0	250 370	157 cuft Cl "B" w/3% CaCl2
8-3/4"	7", K-55	20.0	3700	879 cuft 65/35 Poz, 184 cuft C.
6-1/4"	4-1/2", K-55	10.5	3600-6105	411 cuft Cl "B" w/4% gel & additives

WILLIAMS PRODUCTION COMPANY proposes to drill a vertical well to develop the Mesa Verde formation at the above described site in accordance with the attached drilling and surface use programs.

This location has been archaeologically surveyed by CRMC. Copies of the report will be submitted directly to your office.

This APD also is serving as an application to obtain BLM road and pipeline right-of way. This well will be accessed by an existing 2-track road which will be upgraded. The existing 2-track is approximately 2500' long and crosses the SW/SE, NW/SE and SE/NE of Section 25, T31N, R6W, where it joins the main Rosa Road. The Rosa Road continues SE for 18 miles where it joins the Sims Mesa Highway.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

SIGNED Paul C. Thompson TITLE Paul C. Thompson, Agent
(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would enable the applicant to conduct operations thereunder.

CONDITIONS OF APPROVAL IF ANY

Hold C-104 for WSL re.

NMOCD

APPROVED
AS AMENDED
MAY 20 1996
DISTRICT MANAGER

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-10
Revised February 21, 1990
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-039-25581	¹ Pool Code 72319	¹ Pool Name Blanco Mesa Verde
¹ Property Code 008480 17033	¹ Property Name Rosa Unit	¹ Well Number 160
¹ OGRID No. 120782	¹ Operator Name Williams Production Co.	¹ Elevation 6438'

¹⁰ Surface Location

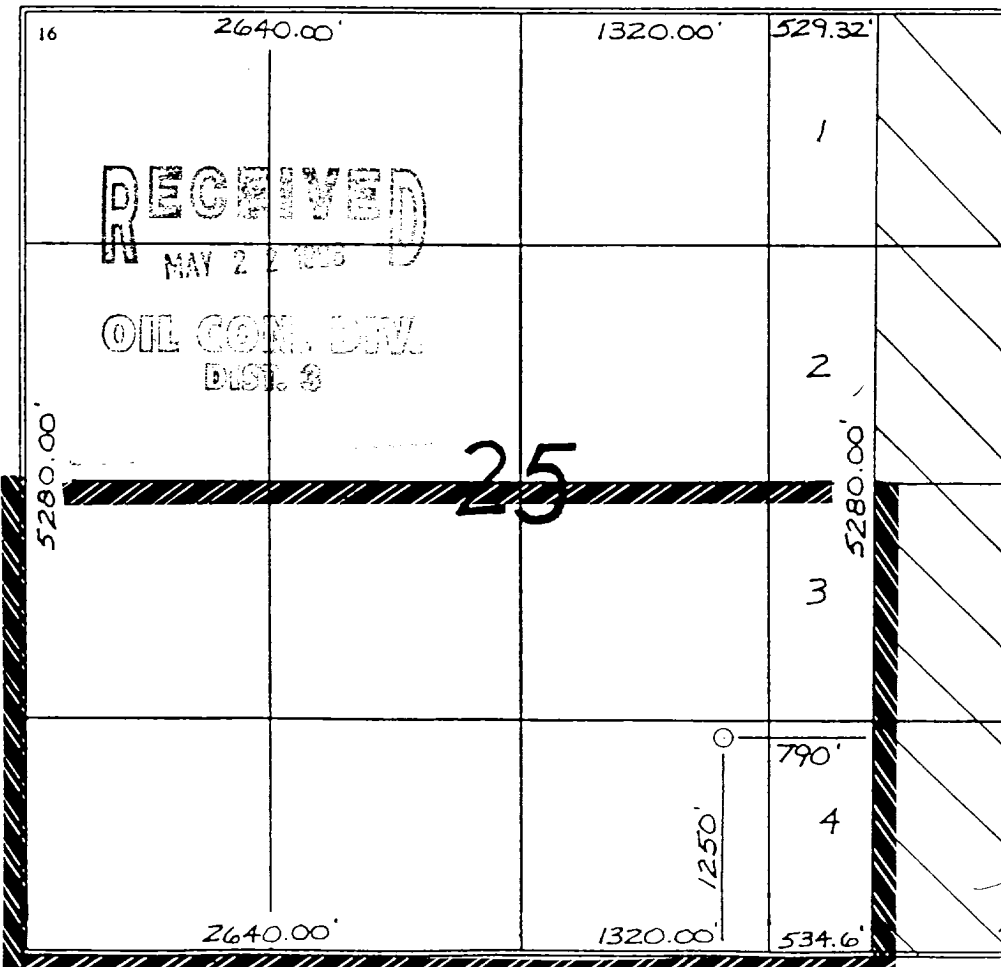
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	25	31 N	6 W		1250	South	790	East	R. A.

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 272.32	¹³ Joint or Infill N	¹⁴ Consolidation Code U	¹⁵ Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



¹⁷ OPERATOR CERTIFICATION

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

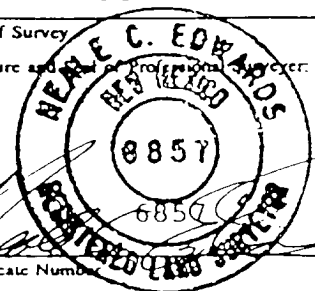
Paul C. Thompson
Signature
Paul C. Thompson, P.E. (Agent)
Printed Name President
Walsh Engr. & Prod. Corp.
Title
2/23/96
Date

¹⁸ SURVEYOR CERTIFICATION

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 belief.

11-27-95

Date of Survey
Signature and Seal of Professional Surveyor



Certificate Number

WILLIAMS PRODUCTION COMPANY
OPERATIONS PLAN

DATE: 2/1/96

WELLNAME: ROSA UNIT #160 **FIELD:** Blanco MV

LOCATION: SW/4 SE/4 Sec.25, T31N, R6W **SURFACE:** BLM
San Juan Co., NM

ELEVATION: 6438' GR **MINERALS:** Federal

TOTAL DEPTH: 6105' **LEASE #** SF-078766

I. GEOLOGY: Surface formation - San Jose

A. FORMATION TOPS:

Ojo Alamo	2530'	Cliff House	5445'
Kirtland	2655'	Menefee	5490'
Fruitland	3035'	Point Lookout	5705'
Pictured Cliffs	3270'	Mancos	5905'
Lewis	3550'	Total Depth	6105'

B. LOGGING PROGRAM: IND/GR, CDL/SNL. Log the Pictured Cliffs from TD to the Kirtland. Log the Mesa Verde from TD to 500' above the Cliff House.

C. NATURAL GAUGES: Gauge any noticeable increases in gas flow. Record all gauges in Tour book and on morning reports.

II. DRILLING

A. MUD PROGRAM: Clear water with benex to 7" casing point. LSND to log and run pipe.

B. BOP TESTING: While drill pipe is in use, the pipe rams will be tested not less than once each day. The blind rams will be tested once each trip. The drum brakes will inspected and tested each tour. All tests and inspections will be recorded in the tour book as to time and results.

III. MATERIALS

A. CASING PROGRAM:

<u>CASING TYPE</u>	<u>HOLE SIZE</u>	<u>DEPTH</u>	<u>CASING SIZE</u>	<u>WT. & GRADE</u>
Surface	12-1/4"	250'	9-5/8"	36# K-55
Intermediate	8-3/4"	3700'	7"	20# K-55
Prod. Liner	6-1/4"	3600'-6105'	4-1/2"	10.5# K-55

B. FLOAT EQUIPMENT:

1. **SURFACE CASING:** 9-5/8" notched regular pattern guide shoe.

2. **INTERMEDIATE CASING:** 7" cement nose guide shoe with a self- fill insert float. Place float one(1) joint above the shoe and five(5) centralizers, spaced every other joint, starting with the float collar. Place turbulent centralizers, at 120' intervals, starting at 2530 to the surface. Total centralizers = 5 regular and 19 turbulent.

3. **PRODUCTION CASING:** 4-1/2" whirler type cement nose guide shoe with a latch collar on top of 20' joint. Place 20' marker joint above 5445'.

This topographic map illustrates the ROSA UNIT #160, owned by the Williams Production Company. The map is situated in Rio Arriba County, New Mexico, at an elevation of 1250' FSL, 790' FEL, SEC. 25 T31N, R6W. The unit is identified as PLAT #1.

The map features numerous wells, including SJ31-C #20, #203, #38, #210, #15, #31, #32, #215, #217, #218, #219, #220, #221, #222, #223, #224, #225, #226, #227, #228, #229, #230, #231, #232, #233, #234, #235, #236, #237, #238, #239, #240, #241, #242, #243, #244, #245, #246, #247, #248, #249, #250, #251, #252, #253, #254, #255, #256, #257, #258, #259, #260, #261, #262, #263, #264, #265, #266, #267, #268, #269, #270, #271, #272, #273, #274, #275, #276, #277, #278, #279, #280, #281, #282, #283, #284, #285, #286, #287, #288, #289, #290, #291, #292, #293, #294, #295, #296, #297, #298, #299, #300, #301, #302, #303, #304, #305, #306, #307, #308, #309, #310, #311, #312, #313, #314, #315, #316, #317, #318, #319, #320, #321, #322, #323, #324, #325, #326, #327, #328, #329, #330, #331, #332, #333, #334, #335, #336, #337, #338, #339, #340, #341, #342, #343, #344, #345, #346, #347, #348, #349, #350, #351, #352, #353, #354, #355, #356, #357, #358, #359, #360, #361, #362, #363, #364, #365, #366, #367, #368, #369, #370, #371, #372, #373, #374, #375, #376, #377, #378, #379, #380, #381, #382, #383, #384, #385, #386, #387, #388, #389, #390, #391, #392, #393, #394, #395, #396, #397, #398, #399, #400, #401, #402, #403, #404, #405, #406, #407, #408, #409, #410, #411, #412, #413, #414, #415, #416, #417, #418, #419, #420, #421, #422, #423, #424, #425, #426, #427, #428, #429, #430, #431, #432, #433, #434, #435, #436, #437, #438, #439, #440, #441, #442, #443, #444, #445, #446, #447, #448, #449, #450, #451, #452, #453, #454, #455, #456, #457, #458, #459, #460, #461, #462, #463, #464, #465, #466, #467, #468, #469, #470, #471, #472, #473, #474, #475, #476, #477, #478, #479, #480, #481, #482, #483, #484, #485, #486, #487, #488, #489, #490, #491, #492, #493, #494, #495, #496, #497, #498, #499, #500, #501, #502, #503, #504, #505, #506, #507, #508, #509, #510, #511, #512, #513, #514, #515, #516, #517, #518, #519, #520, #521, #522, #523, #524, #525, #526, #527, #528, #529, #530, #531, #532, #533, #534, #535, #536, #537, #538, #539, #540, #541, #542, #543, #544, #545, #546, #547, #548, #549, #550, #551, #552, #553, #554, #555, #556, #557, #558, #559, #560, #561, #562, #563, #564, #565, #566, #567, #568, #569, #570, #571, #572, #573, #574, #575, #576, #577, #578, #579, #580, #581, #582, #583, #584, #585, #586, #587, #588, #589, #590, #591, #592, #593, #594, #595, #596, #597, #598, #599, #600, #601, #602, #603, #604, #605, #606, #607, #608, #609, #610, #611, #612, #613, #614, #615, #616, #617, #618, #619, #620, #621, #622, #623, #624, #625, #626, #627, #628, #629, #630, #631, #632, #633, #634, #635, #636, #637, #638, #639, #640, #641, #642, #643, #644, #645, #646, #647, #648, #649, #650, #651, #652, #653, #654, #655, #656, #657, #658, #659, #660, #661, #662, #663, #664, #665, #666, #667, #668, #669, #670, #671, #672, #673, #674, #675, #676, #677, #678, #679, #680, #681, #682, #683, #684, #685, #686, #687, #688, #689, #690, #691, #692, #693, #694, #695, #696, #697, #698, #699, #700, #701, #702, #703, #704, #705, #706, #707, #708, #709, #710, #711, #712, #713, #714, #715, #716, #717, #718, #719, #720, #721, #722, #723, #724, #725, #726, #727, #728, #729, #730, #731, #732, #733, #734, #735, #736, #737, #738, #739, #740, #741, #742, #743, #744, #745, #746, #747, #748, #749, #750, #751, #752, #753, #754, #755, #756, #757, #758, #759, #760, #761, #762, #763, #764, #765, #766, #767, #768, #769, #770, #771, #772, #773, #774, #775, #776, #777, #778, #779, #780, #781, #782, #783, #784, #785, #786, #787, #788, #789, #790, #791, #792, #793, #794, #795, #796, #797, #798, #799, #800, #801, #802, #803, #804, #805, #806, #807, #808, #809, #810, #811, #812, #813, #814, #815, #816, #817, #818, #819, #820, #821, #822, #823, #824, #825, #826, #827, #828, #829, #830, #831, #832, #833, #834, #835, #836, #837, #838, #839, #840, #841, #842, #843, #844, #845, #846, #847, #848, #849, #850, #851, #852, #853, #854, #855, #856, #857, #858, #859, #860, #861, #862, #863, #864, #865, #866, #867, #868, #869, #870, #871, #872, #873, #874, #875, #876, #877, #878, #879, #880, #881, #882, #883, #884, #885, #886, #887, #888, #889, #890, #891, #892, #893, #894, #895, #896, #897, #898, #899, #900, #901, #902, #903, #904, #905, #906, #907, #908, #909, #910, #911, #912, #913, #914, #915, #916, #917, #918, #919, #920, #921, #922, #923, #924, #925, #926, #927, #928, #929, #930, #931, #932, #933, #934, #935, #936, #937, #938, #939, #940, #941, #942, #943, #944, #945, #946, #947, #948, #949, #950, #951, #952, #953, #954, #955, #956, #957, #958, #959, #960, #961, #962, #963, #964, #965, #966, #967, #968, #969, #970, #971, #972, #973, #974, #975, #976, #977, #978, #979, #980, #981, #982, #983, #984, #985, #986, #987, #988, #989, #990, #991, #992, #993, #994, #995, #996, #997, #998, #999, #1000, #1001, #1002, #10

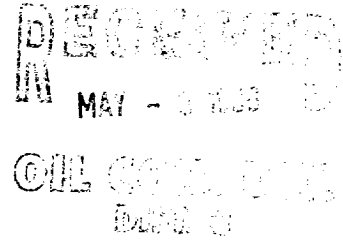
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STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

April 30, 1996



Williams Production Company
c/o Walsh Engineering & Production Corp.
7415 East Main
Farmington, New Mexico 87402
Attention: Paul C. Thompson, P.E.

Administrative Order NSL-3664(NSP)

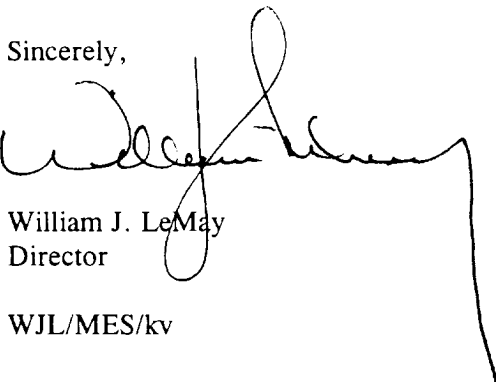
Dear Mr. Thompson:

Reference is made to your application dated March 26, 1996 on behalf of the operator, Williams Production Company of Salt Lake City, Utah, for an unorthodox gas well location in the Blanco-Mesaverde Pool for the proposed Rosa Unit Well No. 160. Said well to be drilled 1250 feet from the South line and 790 feet from the East line (Unit O) of irregular Section 25, Township 31 North, Range 6 West, NMPM, Rio Arriba County, New Mexico.

Lots 3 and 4, the SW/4, and the W/2 SE/4 (S/2 equivalent) of said irregular Section 25 being a non-standard 272.32-acre gas spacing and proration unit for said pool is to be dedicated to said well.

By the authority granted me under the provisions of Rule 2(d) of the "*General Rules for the Prorated Gas Pools of New Mexico/Special Rules and Regulations for the Blanco-Mesaverde Pool*", as promulgated by Division Order No. R-8170, as amended, the above-described unorthodox gas well location and non-standard gas spacing and proration unit are hereby approved.

Sincerely,


William J. LeMay
Director

WJL/MES/kv

cc: Oil Conservation Division - Aztec
U. S. Bureau of Land Management - Farmington
U. S. Bureau of Reclamation - Durango, Colorado