

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-101
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

Santa Fe, New Mexico 87504-2088

AUG 21 1990

OIL CON. DIV.
DIST. 3

API NO. (assigned by OCD on New Wells) <u>30-045-28159</u>	
5. Indicate Type of Lease STATE ☐ FEE ☒	
6. State Oil & Gas Lease No.	
7. Lease Name or Unit Agreement Name Santa Rosa <u>4</u>	
8. Well No. <u>#-2</u> <u>W/320.52</u>	
9. Pool name or Wildcat Basin Fruitland Coal	

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK					
1a. Type of Work: DRILL ☒ RE-ENTER ☐ DEEPEN ☐ PLUG BACK ☐					
b. Type of Well: OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐					
2. Name of Operator Robert L. Bayless					
3. Address of Operator P.O. Box 168, Farmington, NM 87499					
4. Well Location Unit Letter <u>N</u> : <u>1290</u> Feet From The <u>South</u> Line and <u>1870</u> Feet From The <u>West</u> Line Section <u>4</u> Township <u>29N</u> Range <u>9W</u> NMPM <u>San Juan</u> County <u>NM</u>					
10. Proposed Depth 2250'		11. Formation Fruitland Coal		12. Rotary or C.T. Rotary	
13. Elevations (Show whether DF, RT, GR, etc.) 5588' GL ; 5598'RKB		14. Kind & Status Plug. Bond		15. Drilling Contractor Bayless Drilling	
				16. Approx. Date Work will start ASAP	
17. PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12-1/4"	8-5/8"	24.0#	120'	90/106 ft ³	surface
7-7/8"	4-1/2"	10.5#	2250'	500/729 ft ³	surface/see long-string cementing

Will drill 12-1/4" hole to 120' and set 120' of 8-5/8" 24.0 #/ft J-55 used casing, cementing with 106 ft³ Class B cement, circulated to surface. Will drill 7-7/8" hole to 2250' and run 2250' of 4-1/2" 10.5 #/ft J-55 new casing and cement as per attached longstring cementing guidelines. Circulating medium while drilling will be clear water, natural mud and waterloss control additives. No abnormal pressures or temperatures are anticipated. Will run Induction and Density Logs. Blowout preventer and safety equipment schematics are attached. The gas from this formation is not dedicated to a gas contract.

ESTIMATED TOPS: Ojo Alamo - 1003'
Kirtland - 1127'
Fruitland - 1872'
Pictured Cliffs - 2168'
Total Depth - 2250'

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTIVE ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

SIGNATURE Kevin H. McCord TITLE Petroleum Engineer DATE 8-20-90
TYPE OR PRINT NAME Kevin H. McCord TELEPHONE NO.

(This space for State Use)

APPROVED BY [Signature] DEPUTY OIL & GAS INSPECTOR, DIST. #3 DATE AUG 22 1990
CONDITIONS OF APPROVAL, IF ANY:

APPROVAL EXPIRES 2-22-91
UNLESS DRILLING IS COMMENCED.
SPUD NOTICE MUST BE SUBMITTED
WITHIN 10 DAYS.

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT 11

P.O. Box 1980, Hobbs, NM 88240

DISTRICT

DISTRIBUTION
P.O. DRAWING DD, ALBUQUERQUE, NM 88210

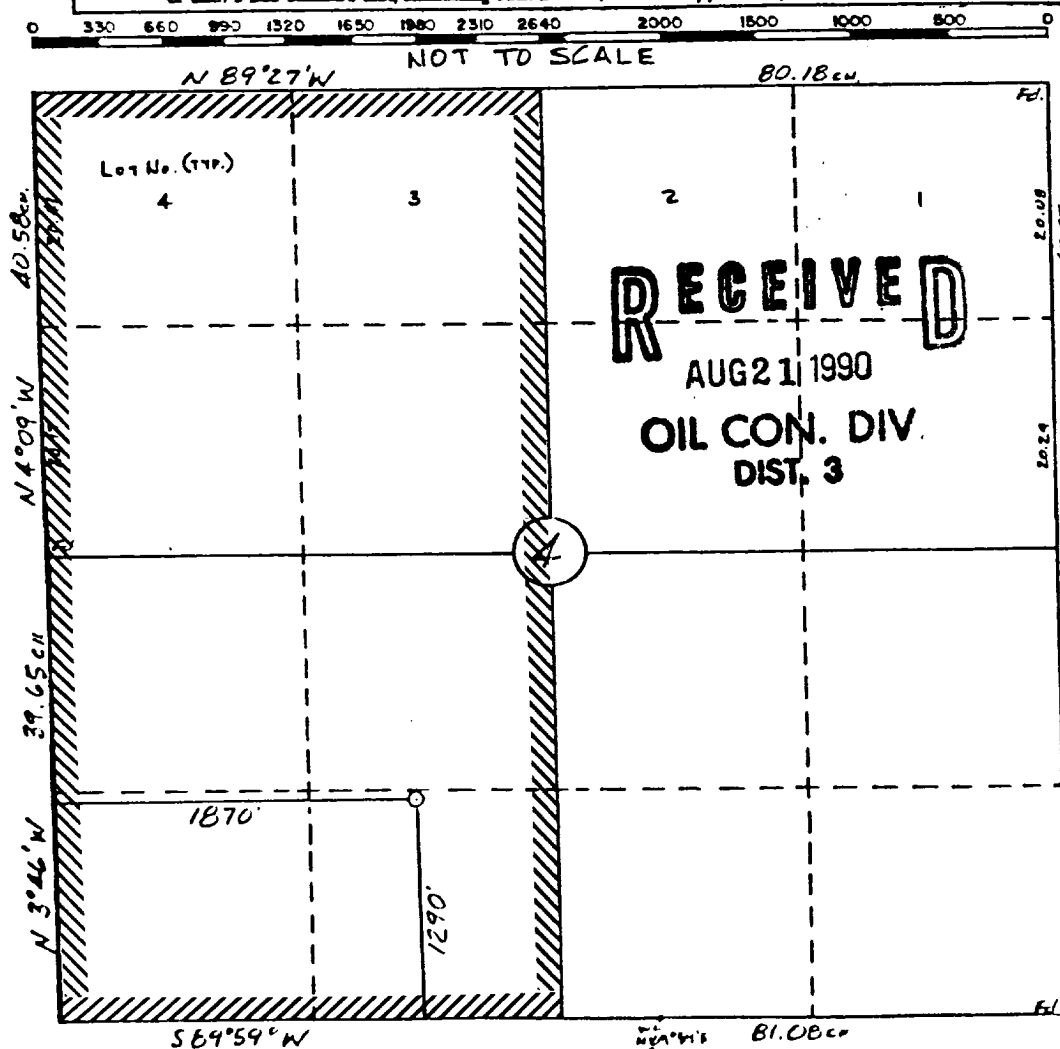
DISTRICT 10

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Robert L. Bayless		Lease SANTA ROSA 4		Well No. 42
Unit Letter N	Section 4	Township 29 N	Range 9 W	County San Juan
Actual Footage Location of Well: 1290 feet from the South line and 1870 feet from the West line				
Ground level Elev. 5588	Producing Formation Fruitland	Pool Basin Fruitland Coal	Dedicated Acreage 320.52 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 interest 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 interest, has been approved by the Division.				



OPERATOR CERTIFICATION

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

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Signature Kevin H. McCon

Printed Name:

Kevin H. McCord

Position	Age	Height	Weight	Experience	Notes
1	18	5' 10"	160	1	...
2	19	6' 0"	170	2	...
3	20	6' 2"	180	3	...
4	21	6' 4"	190	4	...
5	22	6' 6"	200	5	...
6	23	6' 8"	210	6	...
7	24	6' 10"	220	7	...
8	25	7' 0"	230	8	...
9	26	7' 2"	240	9	...
10	27	7' 4"	250	10	...
11	28	7' 6"	260	11	...
12	29	7' 8"	270	12	...
13	30	7' 10"	280	13	...
14	31	8' 0"	290	14	...
15	32	8' 2"	300	15	...
16	33	8' 4"	310	16	...
17	34	8' 6"	320	17	...
18	35	8' 8"	330	18	...
19	36	8' 10"	340	19	...
20	37	9' 0"	350	20	...
21	38	9' 2"	360	21	...
22	39	9' 4"	370	22	...
23	40	9' 6"	380	23	...
24	41	9' 8"	390	24	...
25	42	9' 10"	400	25	...
26	43	10' 0"	410	26	...
27	44	10' 2"	420	27	...
28	45	10' 4"	430	28	...
29	46	10' 6"	440	29	...
30	47	10' 8"	450	30	...
31	48	10' 10"	460	31	...
32	49	11' 0"	470	32	...
33	50	11' 2"	480	33	...
34	51	11' 4"	490	34	...
35	52	11' 6"	500	35	...
36	53	11' 8"	510	36	...
37	54	11' 10"	520	37	...
38	55	12' 0"	530	38	...
39	56	12' 2"	540	39	...
40	57	12' 4"	550	40	...
41	58	12' 6"	560	41	...
42	59	12' 8"	570	42	...
43	60	12' 10"	580	43	...
44	61	13' 0"	590	44	...
45	62	13' 2"	600	45	...
46	63	13' 4"	610	46	...
47	64	13' 6"	620	47	...
48	65	13' 8"	630	48	...
49	66	13' 10"	640	49	...
50	67	14' 0"	650	50	...
51	68	14' 2"	660	51	...
52	69	14' 4"	670	52	...
53	70	14' 6"	680	53	...
54	71	14' 8"	690	54	...
55	72	14' 10"	700	55	...
56	73	15' 0"	710	56	...
57	74	15' 2"	720	57	...
58	75	15' 4"	730	58	...
59	76	15' 6"	740	59	...
60	77	15' 8"	750	60	...
61	78	15' 10"	760	61	...
62	79	16' 0"	770	62	...
63	80	16' 2"	780	63	...
64	81	16' 4"	790	64	...
65	82	16' 6"	800	65	...
66	83	16' 8"	810	66	...
67	84	16' 10"	820	67	...
68	85	17' 0"	830	68	...
69	86	17' 2"	840	69	...
70	87	17' 4"	850	70	...
71	88	17' 6"	860	71	...
72	89				

Petroleum Engineer

Company	
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Robert L. Bayless

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8-20-90

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 knowledge and belief.

5-1-90

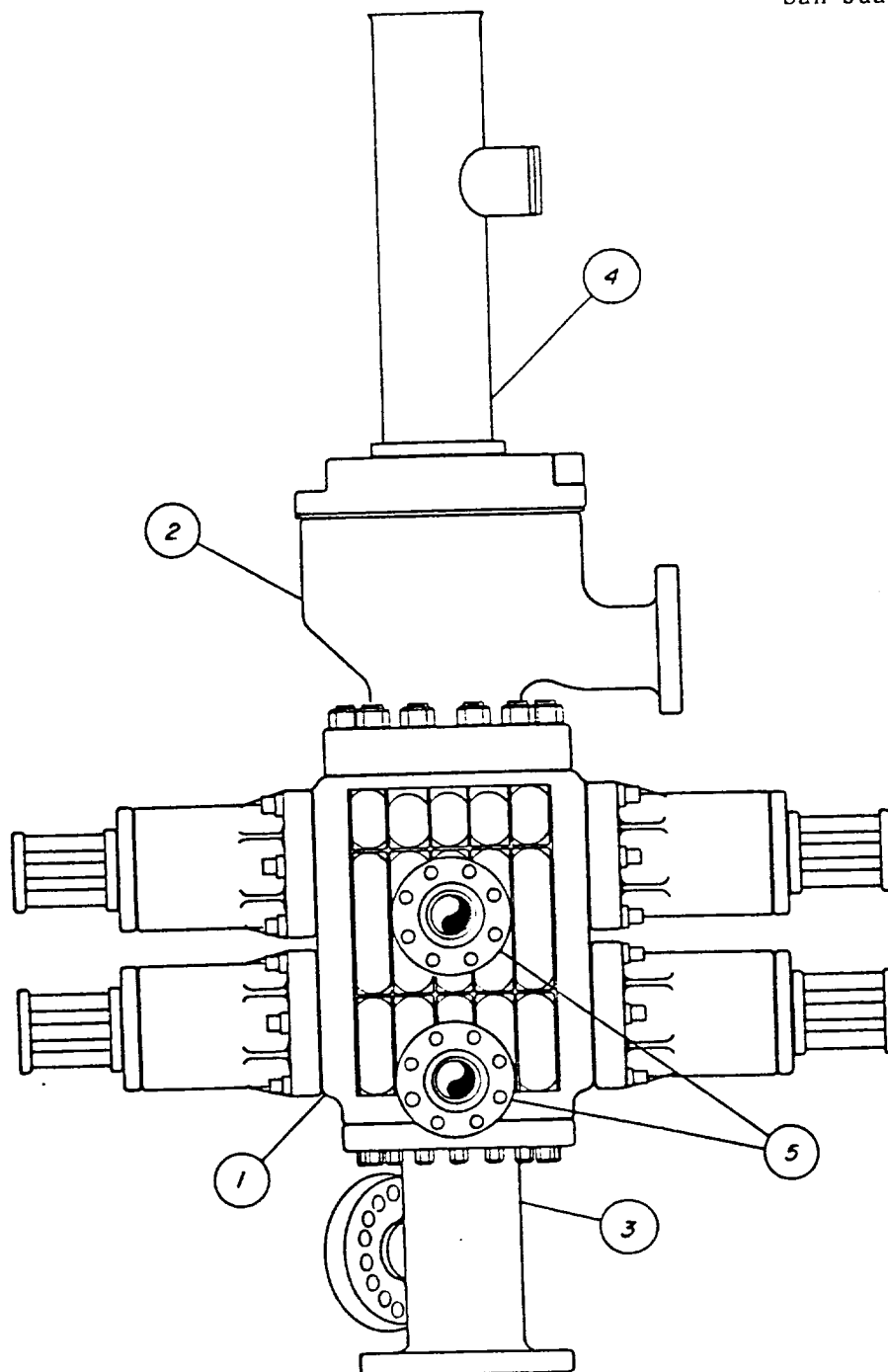
Date Surveyed: _____

William E. Mahrke II

Signature & Seal of
Professional Servant

11/11/2011

Robert L. Bayless
 Santa Rosa 4-2
 Sec. 4-T29N-R9W
 1290 FSL & 1870 FWL
 San Juan County, NM



-
- ① SHAFFER 11" 3000 LB MODEL LWS MANUAL LOCK RAM BLOWOUT PREVENTER
 - ② GRANT 11" 3000 LB ROTATING DRILL HEAD, if conditions warrant, otherwise flow nipple above BOP
 - ③ 11" SPOOL
 - ④ 11" FLOW NIPPLE
 - ⑤ 4" 3000 LB. NOZZLE
-

Robert L. Bayless
 SANTA ROSA #4-2
 1290' FSL & 1870' FWL
 Sec. 4, T29N, R9W
 San Juan Co., N.M.

Map labels include: Remede, Canyon, TANKS, DIVERSION DAM, SAN JUAN RIVER, Manzaneros, and various elevation points (e.g., 5795, 5756, 5687, 5647, 5623, 5594, 5570, 5677, 5609, 5580, 5570, 5568, 5567, 5566, 5565, 5564, 5563, 5562, 5561, 5560, 5559, 5558, 5557, 5556, 5555, 5554, 5553, 5552, 5551, 5550, 5549, 5548, 5547, 5546, 5545, 5544, 5543, 5542, 5541, 5540, 5539, 5538, 5537, 5536, 5535, 5534, 5533, 5532, 5531, 5530, 5529, 5528, 5527, 5526, 5525, 5524, 5523, 5522, 5521, 5520, 5519, 5518, 5517, 5516, 5515, 5514, 5513, 5512, 5511, 5510, 5509, 5508, 5507, 5506, 5505, 5504, 5503, 5502, 5501, 5500).

OIL CONSERVATION DIVISION
P.O. Box 2088
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P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.	30-045-28159
5. Indicate Type of Lease	STATE ☐ FEE ☒
6. State Oil & Gas Lease No.	

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well: OIL WELL ☐ GAS WELL ☒ OTHER	7. Lease Name or Unit Agreement Name Santa Rosa 4
2. Name of Operator Robert L. Bayless	8. Well No. 2
3. Address of Operator P.O. Box 168, Farmington	9. Pool name or Wildcat Basin Fruitland Coal
4. Well Location Unit Letter <u>N</u> : <u>1290</u> Feet From The <u>South</u> Line and <u>1870</u> Feet From The <u>West</u> Line Section <u>4</u> Township <u>29N</u> Range <u>9W</u> NMPM <u>San Juan</u> County	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) <u>2250'</u>	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
OTHER: ☐	PLUG AND ABANDONMENT ☐
	CASING TEST AND CEMENT JOB ☐
	OTHER: <u>Log, Cement Longstring</u> ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

See attached daily report.

RECEIVED
FEB 20 1991
OIL CON. DIV. I
DIST. 3

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

SIGNATURE Tom R. McCarthy TITLE Petroleum Engineer DATE 2/19/91
TYPE OF PRINT NAME Tom R. McCarthy TELEPHONE NO. 326-2659

(This space for State Use)

APPROVED BY Original Signed by FRANK T. CHAVEZ SUPERVISOR DISTRICT # 3 DATE FEB 20 1991
CONDITIONS OF APPROVAL, IF ANY

ROBERT L. BAYLESS

P. O. BOX 168
FARMINGTON, NM 87499

FAX NO
(505) 326-6911

OFFICE NO
(505) 326-2659

SANTA ROSA #4-2
SEC. 4, T29N, R9W
1290' FSL & 1870' FWL
SAN JUAN COUNTY NM

01/30/91 7 a.m. - 12 p.m. move rig. Spud well at 12 noon, 01/29/91.
12 - 3:30 drilling at 5'. 3:30 - 5 p.m. build up bit.

01/31/91 Drilling at 13' with Cable Tools. Drill 8:30 a.m. to 5:15 p.m.

02/01/91 Drill with Cable tools from 14-17'. Drive pipe in hole to 17'.

02/02/91 Drill to 35'.

02/03/91 Drill to 54'.

02/04/91 Shut in for Sunday.

02/05/91 Move in and rig up L&B Speedrill. Drill from 54' to 129' with 8
3/4" bit. Run 4 joints used 7" 23# ST&C 10V casing, 124.71'. Set
at 126' GL. Centralizers run at 95' and 64'. Welded all joints.
Cement casing as follows: Pump 5 bbls water, pump 80 sx Class B,
2% CaCl₂. (94 CF) Pump 3.8 bbls. water displacement. Plug down
7 p.m. (2/4/91). Good circulation throughout job. Circ. 4 bbl.
cement. WOC.

02/06/91 Drilling at 650'. 8-11 a.m. Nipple up BOP. Pressure test casing
to 600 PSI for 30 minutes. Test OK. 11 a.m. - 7 p.m. Drill.
Picked up gas at 190'. Picked up small water flow.

02/07/91 Drilling at 1100'. 8 a.m. - 3 p.m. drill. 3 p.m. - 5 p.m. Trip
for bit #3. 5-7 p.m. drill. Expect to TD Monday 2/11.

02/08/91 Drilling at 1300'. 8-10 a.m. drill. 10-4 p.m. well kicking.
4-7 p.m. drill. Hit gas at 1170'.

02/09/91 Drilling at 1360'.

02/10/91 Drilling at 1465'. Drilled from 1:30 p.m. to 6:30 p.m.

02/11/91 Tripping for bit No. 4. Drilled to 1525'.

02/12/91 Drilling at 1880'. 7 a.m. - 9:30. Trip for bit No. 4 at 1525'.
9:30 a.m. - 7:30 p.m. drilling.

02/13/91 Drilling at 2000'.

02/14/91 Drilled from 2000' to 2200'. Bearing or cone bad on bit. Trip
for bit.

02/15/91 8 a.m. - 11 a.m. tripping at 2200'. 11 a.m. to 1 p.m. Drill to 2250'. Circulate 1 hr. Trip out LDDP. Rig up Great Guns. Run SP-GR-FDC-IEL logs. Camera for real time print and deep induction log did not function. SIFN at 7:30 p.m.

02/16/91 Haul in 4 1/2" casing. Rig up casing crew. Run 4 1/2" 10.5# J-55 New Maverick and Newport as follows:

KB (GL)	-4.00
53 jts.	2203.02
Float	1.20
Shoe jt.	40.35
Shoe	.85
Land at	<u>2241.42</u> ' GL

Ran Centralizers at 2221', 2159', 2119', 2079', 2038', 1958'. Cement with 10 bbl. water spacer, 25 sx (30 CF) Class B, 330 sx (416 CF) 50:50 poz, 2% gel, 10% salt. Displace with 35 BW. Plug down 2:45 p.m. bumped at 500 PSI over; float held. Good circulation throughout job but did not circulate cement. Shut in and WOC. Rig up Wilson wireline at 11:30 p.m., 02/15/91. Run temperature survey. PBD 2201'. Cement top at 80'. SIFN.