

DOCKET: Examiners Hearing - Thursday, September 9, 1993
Case #10819 - Project Area: NE/4&E/2NW/4, Section 30, T7S, R32E
MOUNTAIN FEDERAL #4

- Exhibit #1 Map
- Exhibit #2 Offset Operators
- Exhibit #3 Horizontal Drilling Procedure
- Exhibit #4 Schematic

BEPOND VALLEY PER CATANACH	
OIL CONSERVATION DIVISION	
<i>Applicant</i> APPlicant	<i>A</i>
EXHIBIT NO.	<i>1, 2, 3, 4</i>
CASE NO.	<i>10819</i>

4452 1	R.N. Enfield HBP 15915	4453 2	Mano Santo 8-1-39 56387	4454 3	Yates Ener. 15015	4455 4	Yates Ener. 15015	4456 5	Yates Ener. 15015	4457 6	Yates Ener. 15015	4458 7	Yates Ener. 15015	4459 8	Yates Ener. 15015	4460 9	Yates Ener. 15015	4461 10	Yates Ener. 15015	4462 11	Yates Ener. 15015	4463 12	Yates Ener. 15015	4464 13	Yates Ener. 15015	4465 14	Yates Ener. 15015	4466 15	Yates Ener. 15015	4467 16	Yates Ener. 15015	4468 17	Yates Ener. 15015	4469 18	Yates Ener. 15015	4470 19	Yates Ener. 15015	4471 20	Yates Ener. 15015	4472 21	Yates Ener. 15015	4473 22	Yates Ener. 15015	4474 23	Yates Ener. 15015	4475 24	Yates Ener. 15015	4476 25	Yates Ener. 15015	4477 26	Yates Ener. 15015	4478 27	Yates Ener. 15015	4479 28	Yates Ener. 15015	4480 29	Yates Ener. 15015	4481 30	Yates Ener. 15015	4482 31	Yates Ener. 15015	4483 32	Yates Ener. 15015	4484 33	Yates Ener. 15015	4485 34	Yates Ener. 15015	4486 35	Yates Ener. 15015	4487 36	Yates Ener. 15015	4488 37	Yates Ener. 15015	4489 38	Yates Ener. 15015	4490 39	Yates Ener. 15015	4491 40	Yates Ener. 15015	4492 41	Yates Ener. 15015	4493 42	Yates Ener. 15015	4494 43	Yates Ener. 15015	4495 44	Yates Ener. 15015	4496 45	Yates Ener. 15015	4497 46	Yates Ener. 15015	4498 47	Yates Ener. 15015	4499 48	Yates Ener. 15015	4500 49	Yates Ener. 15015	4501 50	Yates Ener. 15015	4502 51	Yates Ener. 15015	4503 52	Yates Ener. 15015	4504 53	Yates Ener. 15015	4505 54	Yates Ener. 15015	4506 55	Yates Ener. 15015	4507 56	Yates Ener. 15015	4508 57	Yates Ener. 15015	4509 58	Yates Ener. 15015	4510 59	Yates Ener. 15015	4511 60	Yates Ener. 15015	4512 61	Yates Ener. 15015	4513 62	Yates Ener. 15015	4514 63	Yates Ener. 15015	4515 64	Yates Ener. 15015	4516 65	Yates Ener. 15015	4517 66	Yates Ener. 15015	4518 67	Yates Ener. 15015	4519 68	Yates Ener. 15015	4520 69	Yates Ener. 15015	4521 70	Yates Ener. 15015	4522 71	Yates Ener. 15015	4523 72	Yates Ener. 15015	4524 73	Yates Ener. 15015	4525 74	Yates Ener. 15015	4526 75	Yates Ener. 15015	4527 76	Yates Ener. 15015	4528 77	Yates Ener. 15015	4529 78	Yates Ener. 15015	4530 79	Yates Ener. 15015	4531 80	Yates Ener. 15015	4532 81	Yates Ener. 15015	4533 82	Yates Ener. 15015	4534 83	Yates Ener. 15015	4535 84	Yates Ener. 15015	4536 85	Yates Ener. 15015	4537 86	Yates Ener. 15015	4538 87	Yates Ener. 15015	4539 88	Yates Ener. 15015	4540 89	Yates Ener. 15015	4541 90	Yates Ener. 15015	4542 91	Yates Ener. 15015	4543 92	Yates Ener. 15015	4544 93	Yates Ener. 15015	4545 94	Yates Ener. 15015	4546 95	Yates Ener. 15015	4547 96	Yates Ener. 15015	4548 97	Yates Ener. 15015	4549 98	Yates Ener. 15015	4550 99	Yates Ener. 15015	4551 100	Yates Ener. 15015
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EXHIBIT #1
Case #10819

MOUNTAIN FEDERAL #4
Unit B, NW/4NE/4, Sec. 30, T7S, R32E
Tomahawk San Andres Field
Chaves County, New Mexico

4552 101	Yates Ener. 15015	4553 102	Yates Ener. 15015	4554 103	Yates Ener. 15015	4555 104	Yates Ener. 15015	4556 105	Yates Ener. 15015	4557 106	Yates Ener. 15015	4558 107	Yates Ener. 15015	4559 108	Yates Ener. 15015	4560 109	Yates Ener. 15015	4561 110	Yates Ener. 15015	4562 111	Yates Ener. 15015	4563 112	Yates Ener. 15015	4564 113	Yates Ener. 15015	4565 114	Yates Ener. 15015	4566 115	Yates Ener. 15015	4567 116	Yates Ener. 15015	4568 117	Yates Ener. 15015	4569 118	Yates Ener. 15015	4570 119	Yates Ener. 15015	4571 120	Yates Ener. 15015	4572 121	Yates Ener. 15015	4573 122	Yates Ener. 15015	4574 123	Yates Ener. 15015	4575 124	Yates Ener. 15015	4576 125	Yates Ener. 15015	4577 126	Yates Ener. 15015	4578 127	Yates Ener. 15015	4579 128	Yates Ener. 15015	4580 129	Yates Ener. 15015	4581 130	Yates Ener. 15015	4582 131	Yates Ener. 15015	4583 132	Yates Ener. 15015	4584 133	Yates Ener. 15015	4585 134	Yates Ener. 15015	4586 135	Yates Ener. 15015	4587 136	Yates Ener. 15015	4588 137	Yates Ener. 15015	4589 138	Yates Ener. 15015	4590 139	Yates Ener. 15015	4591 140	Yates Ener. 15015	4592 141	Yates Ener. 15015	4593 142	Yates Ener. 15015	4594 143	Yates Ener. 15015	4595 144	Yates Ener. 15015	4596 145	Yates Ener. 15015	4597 146	Yates Ener. 15015	4598 147	Yates Ener. 15015	4599 148	Yates Ener. 15015	4600 149	Yates Ener. 15015	4601 150	Yates Ener. 15015
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EXHIBIT #2

Case #10819

MOUNTAIN FEDERAL #4 & #5
NE/4 & E/2NW/4
Section 30, T7S, R32E

Offset Operators:

Murphy Operating Corporation
P.O. Box 2648
Roswell, NM 88202

Yates Petroleum Corporation
105 South 4th
Artesia, NM 88210

Case #10819

MOUNTAIN FEDERAL #4

Unit B, NW/4NE/4
Section 30, T7S, R32E
Tomahawk San Andres Field
Chaves County, New Mexico

HORIZONTAL DRILLING PROCEDURE

1. Set packer @ 3800'. Cement squeeze perforations 4048' to 4081'.
2. Drill out cement to 4104'. Pressure test casing to 1000 psi.
3. Mill section in 5½" casing from approximately 4014' to 4064'. Set cement plug. Drill out cement to approximately 4044'.
4. Run directional survey.
5. Kickoff cement plug at approximately 4044'.
6. Drill 60+ feet radii curve to an inclination of approximately 85 to 90 degrees. Conduct surveys every 5 feet of the arc.
7. Drill laterally approximately 1000+ feet in a direction of our choice, thru a vertical depth of approximately 4106' to 4144'.
8. Conduct surveys every 30 feet in the lateral.
9. A distance of 100 feet will be maintained by the horizontal hole from the lease line.

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