

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address SAMSON RESOURCES CO 2 W 2ND ST TULSA , OK 74103		2. OGRID Number 20165
		3. API Number 30-025-37863
4. Property Code 35083	5. Property Name EAGLE 2 STATE	6. Well No. 002

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	2	20S	34E	3	660	N	1980	W	LEA

8. Pool Information

LEA;BONE SPRING	37570
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Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3684
14. Multiple N	15. Proposed Depth 10600	16. Formation Bone Spring	17. Contractor	18. Spud Date 5/15/2006
Depth to Ground water 100		Distance from nearest fresh water well > 1000		Distance to nearest surface water > 1000
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12 _____ mils thick Clay <input type="checkbox"/> Pit Volume: 20000 _____ bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1650	1350	
Int1	12.25	9.625	40	5600	2000	
Prod	8.75	5.5	17	10600	1000	

Casing/Cement Program: Additional Comments

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Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Annular	5000	3000	Shaffer
DoubleRam	10000	3000	Cameron

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Brad Hargrove	Approved By: Paul Kautz
Title: Manager	Title: Geologist
Email Address: bhargrove@samson.com	Approved Date: 5/11/2006 Expiration Date: 5/11/2007
Date: 5/10/2006 Phone: 918-591-1939	Conditions of Approval Attached

Permit Conditions of Approval

Operator: SAMSON RESOURCES CO , 20165

Well: EAGLE 2 STATE #002

API: 30-025-37863

OCD Reviewer	Condition
pkautz	prior to any pit construction notify Gary Wink at 505-393-6161 ext 114
pkautz	Pit construction and closure must satisfy all requirements of your approved plan, O.C.D. Rule 19.15.2.50, and the Pit and Below-Grade Tank Guidelines

Permit Comments

Operator: SAMSON RESOURCES CO , 20165

Well: EAGLE 2 STATE #002

API:

There are no comments for this permit