

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

OIL CONSERVATION DIVISION
 P.O. Box 2088
 Santa Fe, New Mexico 87504-2088

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

API NO. (assigned by OCD on New Wells) 30-025-05624
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B1382

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work: DRILL <input type="checkbox"/> RE-ENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>		7. Lease Name or Unit Agreement Name State G
b. Type of Well: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		
2. Name of Operator Amerada Hess Corporation		8. Well No. 2
3. Address of Operator Drawer D, Monument, New Mexico 88265		9. Pool name or Wildcat Eumont Yates 7 RQ
4. Well Location Unit Letter <u>L</u> : <u>1980</u> Feet From The <u>South</u> Line and <u>660</u> Feet From The <u>West</u> Line Section <u>18</u> Township <u>19S</u> Range <u>37E</u> NMPM Lea County		

10. Proposed Depth ± 3800' PBD		11. Formation Eumont	12. Rotary or C.T.
13. Elevations (Show whether DF, RT, GR, etc.) 3714' GR	14. Kind & Status Plug. Bond	15. Drilling Contractor	16. Approx. Date Work will start

17. PROPOSED CASING AND CEMENT PROGRAM					
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17"	13"	40#	199'	Previously ran.	
11"	8-5/8"	32#	2,573'	"	"
7-7/8"	6-5/8"	20#	3,946'	"	"

Plan to MIRU pulling unit, remove well head, install BOP & TOH w/prod. eqpt. Run 5-7/8" bit to 3946' & TOH. TIH w/RBP set at ± 3900'. Load & test csg. to 500#. Run CBL-CCL-GR fr. ± 3900' - ± 2300' or cement top. If cement is poor fr. 3300' - 3900', re-run tool w/500# on csg. Evaluate cement bond across Queen-Penrose interval & cement squeeze if necessary. Swab csg. to 3100' & TOH. TIH w/4" csg. gun & perf. Eumont Yates 7 RQ Zone 6-5/8" csg. at intervals fr. 3546' - 3670'. TIH w/pkr. set at ± 3500' & press. test tbg. to 4000#. Load & test csg. annulus to 500#. Break down Eumont Zone perfs. fr. 3546' - 3670' w/2000 gals. 15% NEFE HCL acid using ball sealers as diverter. Hyd. fracture Eumont perfs. w/54,000 gals. 50 quality CO₂ foam & 35 lb. guar cross-linked gel & 200,000 lbs. 12/20 Brady sand at 30 BPM. Flow back & clean out fill if necessary. Recover frac fluid & evaluate prod. potential.

Ref: Administrative Order NSP-1-A.

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 R. L. Wheeler, Jr. TITLE Supv. Adm. Svc. DATE 11/27/91

TYPE OR PRINT NAME R. L. Wheeler, Jr. TELEPHONE NO. 393-2144

(This space for State Use)

APPROVED BY Orig. Signed by Paul Kautz Geologist TITLE _____ DATE DEC 0 9 1991

CONDITIONS OF APPROVAL, IF ANY:

Permit Expires 6 Months From Approval Date Unless Drilling Underway.
workover