District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico hergy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

2040 South Pacheco Santa Fe, NM 87505 Form C-101 Revised October 18, 1994 Instructions on back

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

AMENDED REPORT

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

¹ Operator name and	d Address	_्रेड्}	² OG	RID Number
KERR-McGEE OIL & GAS ONSHORE LLC				012558
P.O. Box 809004	2200 90 VO		3 A	PI Number
Dallas, TX 75380-9004		30	-0 <u>15</u>	- 25654
⁴ Property Code	⁵ Property Name			6 Well No.
24520	LOWE STATE			2
	7 Surface Location			

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County	
М	36	21 S	23 E		330,	SOUTH	330'	WEST	EDDY	
8 Proposed Pottom Hole Location If Different From Surface										

Proposed Bottom Hole Location If Different From Surface

			r roposo.						
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
		9 Proposed P	ool 1		97000	<u> </u>	10 Proposed P	ool 2	
1	UC IN	IDIAN BASIN	N (ATOKA), East					

11 Work Type Code	12 Well Type Code	13 Cable/Rotary	14 Lease Type Code	15 Ground Level Elevation
P	G	ROTARY	S	3907'
16 Multiple	17 Proposed Depth	18 Formation	19 Contractor	20 Spud Date
NO	9092	AKTOKA	NOT YET AWARDED	01/10/00

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
	13 3/8"	54.5#	324'	324 SXS	SURFACE
10 3/4"	9.5/8"	36#	1999*	850 SXS	SURFACE
8 3/4"	7"	26#	7415	200 SXS	6350'TS
5 1/4"	4 1/2"	N-80	7200 - 9585	350 SXS	

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary

MIRU. ND WH. NU BOP'S. RIH W/ GAUGE RING & TAG 4 1/2" PKR W/ BLANKING PLUG @ 9127'. MORROW PERFS 9223-9399'. RIH W/ DUMP BAILER & SPOT 35' CMT ON TOP OF PKR. WOC OVERNIGHT. RIH & TAG TOC. PRESSURE CSG TO 1000 PSI. RIH W/ EQUIP. W/ PERF GUNS AND POSITION TO PERF ATOKA SANDS 8720- 8728'.

ATTACHMENTS OF WORKOVER DETAIL.

²³ I hereby certify that the information given all of my knowledge and belief.	bove is true and complete to the best	OIL CONSERVATION DIVISION					
Signature:		Approved by: ORIGINAL SIGNED BY TIM W. GUMBON					
Printed name: STEPHEN FORE	972-715-4520	Title:	Digital in a	OPENTION.			
Title: TECHNICAL ANALYST	01/06/00	Approval Date:	1-11-00	Expiration Date: /- // - 0 1			

District I

PO Box 1980, Hobbs, NM 88241-1980

District II

811 S. 1st Street, Artesia, NM 88210-2834

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

2040 South Pacheco, Santa Fe, NM 87505

¹ API Number

State of New Mexico
Lucrgy, Minerals & Natural Resources Department.

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505 Form C-102 Revised October 18, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

³ Pool Name

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

² Pool Code

							IN	DIAN BASIN	(ATOK	(A)	
⁴ Property	Code				5 Proper	rty Name				6 1	Well Number
					LOWE	STATE					
7 OGRID	No.		8 Operator Name 9 Eleva						Elevation		
0125	558	1	KERR McGEE OIL & GAS ONSHORE LLC 3849							845' GL	
					¹⁰ Surface I	Location	n				
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from t	the 1	North/South Line	Feet from the	East/W	est line	County
М	36	21-S	23-E		330		SOUTH	330	WES	ST	EDDY
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/W	est line	County
12 Dedicated Acr	20		onsolidation		Order No.	1				1	
NO ALLO	WABLE W	VILL BE ASS	SIGNED ONSTA	TO THIS NDARD	COMPLETI UNIT HAS E	ION UN BEEN A	NTIL ALL INT APPROVED B	ERESTS HAV Y THE DIVISI	E BEEN ON	4 CON	SOLIDATED
								Signature STEPHEN FO Printed Name TECHNICAL Title 01-06-00 Date 18 SURVI I hereby certify was plotted from	TOR CI that the in e to the be TO ORE ANALYS EYOR C that the month of the control of the con	CERTII	ICATION ICA
330)	,							Date of Survey Signature and Se		essional St	urveyer:

DATE:

Ţ.,

SEPT 30, 1999

WELL NAME:

LOWE STATE #2

FIELD:

INDIAN BASIN

LOCATION: 330' FSL, 330' FWL SEC 36, T21S, R23E

DATA

RECOMMENDED WORKOVER PROCEDURE

AFE ____

"SAFETY IS TOP PRIORITY"

- 1. MIRU WO RIG. RD WELLHEAD. RU BOP'S. TEST TO 250/5000 PSI. POOH W/ 2"
- 2. RU W/L. RIH W/ GAUGE RING AND TAG PLUG AT 9127 FT. RIH W/ DUMP BAILER AND SPOT 35 FT. CMT ON TOP OF PLUG. NEW CMT TOP EST AT 9090 FT. WOC OVERNIGHT. RIH W/ GAUGE RING, TAG TOC. POOH. RD WL. PRESSURE TEST CSG AND PLUG TO 1000 PSI.
- 3. RU HALLIBURTON. PU AND RIH W/ THE FOLLOWING(SEE ATTACHED
 - A. 8' 2 1/4", 6 SPF, 60 DEG PHASE TCP GUNS
 - B. MODEL II D FIRING HEAD
 - C. 30 FT 2-3/8", 6.5#, N-80 TBG(KMG SUPPLIED) D. 2-3/8" FILL DISC

 - E. 4 FT. 2-3/8", 6.5# PUP JT.
 - F. 2-3/8", MECHANICAL TUBING RELEASE
 - G. 10 FT. 2-3/8", PUP JT.
 - H. "X" LANDING NIPPLE

- I. 6 FT. 2-3/8" PUP JT.
- J. 4-1/2" PERMALATCH(PLS) PKR
- K. 4-1/2" X 2-3/8" ON/OFF TOOL W/ "X" PROFILE
- L. 2-3/8" X 2-7/8" CROSSOVER
- M. RA TAG
- N. 2-7/8", 6.5#, N-80 TO SURFACE
- 4. RIH TO APPROX 8730 FT.POSITION GUNS ACROSS ATOKA SAND. RU EL. RIH W./ GR/CCL. CORRELATE GUNS ACROSS ATOKA SAND FR. 8720-8728 FT. SPACE OUT PRODUCTION STRING. PICKLE PIPE WITH 1000 GALS 15% HCL. REVERSE OUT WITH 2% KCL SET PKR. LAND PROD. STRING IN WELLHEAD.
- 5. RD BOPS. RU 5K TREE. RIH W/ SAND LINE, SWAB OFF APPROX. 2000 FT OF FLUID TO ACHIEVE AN UNDERBALANCE OF 500-1000 PSI. RD WO RIG. RU LUBRICATOR. DROP BAR AND PERFORATE WELL. FLOW BACK WELL 1-2 HRS TO CLEAN UP PERFS. SI MASTER VALVE. RD HALLIBURTON LUBRICATOR. RU WL LUBRICATOR. RIH W/ SLICKLINE SHIFTING TOOL TO RELEASE TCP GUNS. LATCH MECHANICAL RELEASE. JAR UP AND RELEASE GUNS. POOH. RD WL.
- 6. RU SCHLUMBERGER DOWELL. INSTALL HALLIBURTON TREE SAVER. HOLD SAFETY MEETING. PRESSURE TEST LINES TO 6000 PSI.
- 7. FRACTURE STIMULATE THE WELL AS FOLLOWS PER THE ATTACHED SCHLUMBERGER DOWELL PROCEDURE:
 - A. 22000 GALS WF 140 W/70Q CO2
 - B. 4000 GALS WF 140 W/ 70Q CO2 + 1 PPG 20/40 ECONOPROP
 - C. 6000 GALS WF 140 W/70Q CO2 + 2 PPG 20/40 ECONOPROP
 - D. 8000 GALS WF 140 W/ 70Q CO2 + 3 PPG 20/40 ECONOPROP
 - E. 7000 GALS WF 140 W/ 70Q CO2 + 4 PPG 20/40 ECONOPROP
 - F. 2756 GALS WF 140 W/ 70Q CO2 FLUSH
 - NOTE: (1) MAX SURFACE TREATING PRESSURE CALC. @ 5200 PSI
 - (2) TOTAL PROPPANT @ 68,000 LBS
 - (3) AVG PUMP RATE @ 10 BPM
 - (4) TOTAL PUMP TIME @ 126 MINS
- 8. SI WELL. RD TREESAVER. RD SCHLUMBERGER DOWELL. FLOW BACK WELL, POP.