(July 1992)		Viexico Oil C 1625	N. French Ditter	T D' VIPLICAT	E* FORM APPROVED
())			Bbs, NM 88240	reverse side)	OMB NO. 1004-0136 Expires: February 28, 1995
	DEPARTMEN	5. LEASE DESIGNATION AND SERIAL I			
		LAND MANA			NM-107397
	LICATION FOR P	ERMIT TO	DRILL OR DEEL	PEN	6. IF INDIAN, ALLOTTEE OR TRIBE NAI
1a. TYPE OF WORK D. TYPE OF WELL	DRILL 🖾	DEEPEN			7. UNIT AGEREMENT NAME
OIL X	CAS OTHER		BINGLE X	MULTIPLE	S. FARM OR LEASE NAME, WELL NO.
2. NAME OF OPERATOR					JABLKA FEDERAL COM. #
CONCHO OIL 3. ADDRESS AND TELEPHONE	& GAS CORP. (915-683-744	3) ERICK NELS	SON	9. API WELL NO.
110 WEST LO	UISIANA SUITE 41		TEVAC (015_6	583-7443)	10. FIELD AND POOL, OR WILDCAT
4. LOCATION OF WELL At surface	(Report location clearly and	in accordance wit	h any State requirement	(<u>,,,)</u> (,,,)	FEATHERSTONE-BONE SPRI
	1980' FWL SEC. 9	T20S-R35E	LEA CO. NM		11. BRC., T., E., M., OR BLE. AND SURVEY OR AREA
At proposed prod.					SECTION 9 T20S-R35E
	AND DIBECTION FROM NEA				12. COUNTY OR PARISH 13. STATE
Approximate	ly 25 miles South	west of Hob			LEA CO. NEW MEXT
LOCATION TO NEAR PROPERTY OR LEAS	EST E LINE, FT. 5	10'	16. NO. OF ACRES IN LE		OF ACEES ASSIGNED HIS WELL
(Also to Dearest d 18. DISTANCE FROM FE	Irlg. unit line, if any) IOFOSED LOCATION®		120 19. proposed depth	20 807	80
	DRILLING, COMPLETED.	NA	11,000'		
21. ELEVATIONS (Show)	whether DF, RT. GR, etc.)		Los Countre Countre		OTARY 22. APPROX. DATE WORK WILL STAR
23.		3685' GR		Water B3(WHEN APPROVED
			GAND CEMENTING PR		
25"	GRADE SIZE OF CASING	WEIGHT PER FO	OT SETTING DEPT	тн	QUANTITY OF CEMENT
		<u> </u>	40'		
17'2"	H-40 13 3/8"	48	400'	Cement	with 400 Sx. Circulate
17½" 12¼"	H-40 13 3/8" J-55 8 5/8"	<u>48</u> 32	400' 4600'	<u>Cement</u> 1700 S	with 400 Sx. Circulate x. circulate cement.
17½" 12½" 7 7/8"	H-40 13 3/8" J-55 8 5/8" S-95,N-80 5 ¹ 2"	48 32 . 17	400' 4600' 11,000'	<u>Cement</u> 1700 S 1000 S	with 400 Sx. Circulate x. circulate cement. x. Top cement 6000'±
17½" 12½" 7 7/8" 1. Drill 25" h	H-40 13 3/8" J-55 8 5/8" S-95,N-80 5 ¹ / ₂ " ole to 40'. Set 4	48 32 .17 0' of 20" or	400' 4600' 11,000' neuctor pipe and	Cement 1700 S 1000 S d cement to	with 400 Sx. Circulate x. circulate cement. x. Top cement 6000'± surface with Redi-mix.
<u>17½"</u> <u>12½"</u> <u>7 7/8"</u> 1. Drill 25" h 2. Drill 17½"	H-40 13 3/8" J-55 8 5/8" S-95,N-80 5½" ole to 40'. Set 4 hole to 400'. Run	48 32 .17 0' of 20" of and set 400	400' 4600' 11,000' ncuctor pipe an 0' of 13 3/8" H	<u>Cement</u> 1700 S 1000 S d cement to -40 48# ST&	
17½" 12¼" 7 7/8" 1. Drill 25" h 2. Drill 17½" 400 Sx. of 3. Drill 12¼" 1500 Sx. of	H-40 13 3/8" J-55 8 5/8" S-95,N-80 5 ¹ / ₂ " ole to 40'. Set 4 hole to 400'. Run Class "C" cement hole to 4600'. Ru	48 32 .17 0' of 20" or and set 400 + 2% CaCl + n and set 40 weight cemen	400' 4600' 11,000' ncuctor pipe and 0' of 13 3/8" H 1/2# Flocele/Sx. 500' of 8 5/8" nt + additives,	Cement 1700 S 1000 S d cement to -40 48# ST& circulate 32# J-55 ST	with 400 Sx. Circulate x. circulate cement. x. Top cement 6000'± surface with Redi-mix. C casing. Cement with
17½" 12½" 7 7/8" 1. Drill 25" h 2. Drill 17½" 400 Sx. of 3. Drill 12½" 1500 Sx. of cement + 2% 4. Drill 7 7/8 5½" S-95 17 Cement with "H" Premium	H-40 13 3/8" J-55 8 5/8" S-95,N-80 5½" ole to 40'. Set 4 hole to 400'. Run Class "C" cement hole to 4600'. Ru Class "C" Light CaCl, circulate " hole to 11,000' # LT&C, 5000' of 500 Sx. of Class	48 32 .17 0' of 20" or and set 400 + 2% CaCl + n and set 40 weight cemen cement to su . Run and se 5½" 17# N-80 "H" Light of ditive. Est	400' 4600' 11,000' ncuctor pipe and 0' of 13 3/8" H ½# Flocele/Sx. 500' of 8 5/8" nt + additives, 11,000' of 5 0, 4000' of 17# cement + additives	Cement 1700 S 1000 S d cement to -40 48# ST& circulate 32# J-55 ST tail in wit 2" casing a J-55 LT&C, ves, tail i	<pre>with 400 Sx. Circulate x. circulate cement. x. Top cement 6000'± surface with Redi-mix. C casing. Cement with cement to surface. &C casing. Cement with h 200 Sx. of Class "C" s follows: 1000' of 1000' of 5½" 17# N-80.</pre>
17½" 12½" 7 7/8" 1. Drill 25" h 2. Drill 17½" 400 Sx. of 3. Drill 12½" 1500 Sx. of cement + 2% 4. Drill 7 7/8 5½" S-95 17 Cement with "H" Premium above upper	H-40 13 3/8" J-55 8 5/8" S-95,N-80 5½" ole to 40'. Set 4 hole to 400'. Run Class "C" cement hole to 4600'. Ru Class "C" Light CaCl, circulate " hole to 11,000' # LT&C, 5000' of 500 Sx. of Class Plus cement + ad	48 32 .17 0' of 20" or and set 400 + 2% CaCl + n and set 40 weight cemen cement to su . Run and so 5½" 17# N-80 "H" Light of ditive. Est: 1.	400' 4600' 11,000' ncuctor pipe and 0' of 13 3/8" H ½# Flocele/Sx. 500' of 8 5/8" nt + additives, 11,000' of 5 0, 4000' of 17# cement + additives imate top of cent	Cement 1700 S 1000 S d cement to -40 48# ST& circulate 32# J-55 ST tail in wit ¹ 2" casing a J-55 LT&C, ves, tail i ment 6000'	<pre>with 400 Sx. Circulate x. circulate cement. x. Top cement 6000'± surface with Redi-mix. C casing. Cement with cement to surface. &C casing. Cement with h 200 Sx. of Class "C" s follows: 1000' of 1000' of 5½" 17# N-80. n with 500 Sx. of Class from surface or 500'</pre>
17½" 12½" 7 7/8" 1. Drill 25" h 2. Drill 17½" 400 Sx. of 3. Drill 12½" 1500 Sx. of cement + 2% 4. Drill 7 7/8 5½" S-95 17 Cement with "H" Premium above upper * Concho Oil &	H-40 13 3/8" J-55 8 5/8" S-95,N-80 5½" ole to 40'. Set 4 hole to 400'. Run Class "C" cement hole to 4600'. Ru Class "C" Light CaCl, circulate " hole to 11,000' # LT&C, 5000' of 500 Sx. of Class Plus cement + ad most pay interva Gas Corp accepts	48 32 .17 0' of 20" or and set 400 + 2% CaCl + n and set 40 weight cement cement to su . Run and set 5½" 17# N-80 "H" Light of ditive. Est: 1. the response	400' 4600' 11,000' ncuctor pipe and 0' of 13 3/8" H ½# Flocele/Sx. 500' of 8 5/8" nt + additives, 11,000' of 5 0, 4000' of 17# cement + additivities imate top of cents	Cement 1700 S 1000 S d cement to -40 48# ST& circulate 32# J-55 ST tail in wit ¹ ₂ " casing a J-55 LT&C, ves, tail i ment 6000' e operation	<pre>with 400 Sx. Circulate x. circulate cement. x. Top cement 6000'± surface with Redi-mix. C casing. Cement with cement to surface. &C casing. Cement with h 200 Sx. of Class "C" s follows: 1000' of 1000' of 5½" 17# N-80. n with 500 Sx. of Class from surface or 500' of this lease.</pre>
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17½" 12½" 7 7/8" 1. Drill 25" h 2. Drill 17½" 400 Sx. of 3. Drill 12½" 1500 Sx. of cement + 2% 4. Drill 7 7/8 5½" S-95 17 Cement with "H" Premium above upper * Concho Oil & IN ABOVE SPACE DESCRI	H-40 13 3/8" J-55 8 5/8" S-95,N-80 5½" ole to 40'. Set 4 hole to 400'. Run Class "C" cement hole to 4600'. Ru Class "C" Light CaCl, circulate " hole to 11,000' # LT&C, 5000' of 500 Sx. of Class Plus cement + ad most pay interva Gas Corp accepts BE PROPOSED PROGRAM: If P	48 32 .17 0' of 20" or and set 400 + 2% CaCl + n and set 40 weight cement cement to so . Run and set 5½" 17# N-80 "H" Light of ditive. Est: 1. the response	400' 4600' 11,000' ncuctor pipe and 0' of 13 3/8" H 1/4 Flocele/Sx. 500' of 8 5/8" nt + additives, 11,000' of 5 0, 4000' of 17# cement + additives imate top of cents sibility for the we data on present productive	Cement 1700 S 1000 S d cement to -40 48# ST& circulate 32# J-55 ST tail in wit '2" casing a J-55 LT&C, ves, tail i ment 6000' e operation	<pre>with 400 Sx. Circulate x. circulate cement. x. Top cement 6000'± surface with Redi-mix. C casing. Cement with cement to surface. &C casing. Cement with h 200 Sx. of Class "C" s follows: 1000' of 1000' of 5½" 17# N-80. n with 500 Sx. of Class from surface or 500' of this lease. ; new productive zone. If proposal is to drill of fany.</pre>
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17½" 12½" 7 7/8" 1. Drill 25" h 2. Drill 17½" 400 Sx. of 3. Drill 12½" 1500 Sx. of cement + 2% 4. Drill 7 7/8 5½" S-95 17 Cement with "H" Premium above upper * Concho Oil & IN ABOVE SPACE DESCRI deepen directionally, gvepen 24.	H-40 13 3/8" J-55 8 5/8" S-95,N-80 5 ¹ / ₂ " ole to 40'. Set 4 hole to 400'. Run Class "C" cement hole to 4600'. Ru Class "C" Light CaCl, circulate " hole to 11,000' # LT&C, 5000' of 500 Sx. of Class Plus cement + ad most pay interva Gas Corp accepts BE PROPOSED PROGRAM: If p timent data on subsurface locations	48 32 .17 0' of 20" or and set 400 + 2% CaCl + n and set 40 weight cemer cement to su . Run and set 5½" 17# N-80 "H" Light of ditive. Est: 1. the response and measured and much 	400' 4600' 11,000' neuctor pipe and 0' of 13 3/8" H 1/2# Flocele/Sx. 500' of 8 5/8" nt + additives, 10 f + additives, 10	Cement 1700 S 1000 S d cement to -40 48# ST& circulate 32# J-55 ST tail in wit 'z'' casing a J-55 LT&C, ves, tail i ment 6000' e operation e zone and proposed # preventer program, i	with 400 Sx. Circulate x. circulate cement. x. Top cement 6000'± surface with Redi-mix. C casing. Cement with cement to surface. &C casing. Cement with h 200 Sx. of Class "C" s follows: 1000' of 1000' of 5½" 17# N-80. n with 500 Sx. of Class from surface or 500' of this lease.
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17½" 12½" 7 7/8" 1. Drill 25" h 2. Drill 17½" 400 Sx. of 3. Drill 12½" 1500 Sx. of cement + 2% 4. Drill 7 7/8 5½" S-95 17 Cement with "H" Premium above upper * Concho Oil & IN ABOVE SPACE DESCRI deepen directionally, givener 24. (This space OPEF PERMIT NO PROF	H-40 13 3/8" J-55 8 5/8" S-95,N-80 5½" ole to 40'. Set 4 hole to 400'. Run Class "C" cement hole to 4600'. Run Class "C" cement hole to 4600'. Run Class "C" Light CaCl, circulate " hole to 11,000' # LT&C, 5000' of 500 Sx. of Class Plus cement + ad most pay interva Gas Corp accepts BE PROPOSED PROGRAM: If p timent data on subsurface locations COGRID NO. [9] EETY NO. 3041	48 32 .17 0' of 20" or and set 400 + 2% CaCl + n and set 40 weight cement cement to su . Run and set 5½" 17# N-80 "H" Light of ditive. Est: 1. the response and measured and muture 407 27	400' 4600' 11,000' neuctor pipe and 0' of 13 3/8" H 1/2# Flocele/Sx. 500' of 8 5/8" nt + additives, 10 f addit	Cement 1700 S 1000 S d cement to -40 48# ST& circulate 32# J-55 ST tail in wit 'z'' casing a J-55 LT&C, ves, tail i ment 6000' e operation e zone and proposed at preventer program, i ROVAL SUE ERAL REQU	with 400 Sx. Circulate x. circulate cement. x. Top cement 6000'± surface with Redi-mix. C casing. Cement with cement to surface. &C casing. Cement with h 200 Sx. of Class "C" s follows: 1000' of 1000' of 5½" 17# N-80. n with 500 Sx. of Class from surface or 500' of this lease. inew productive zone. If proposal is to drill fany. DATE 06/19/02 JECT TO JIREMENTS AND
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17½" 12½" 7 7/8" 1. Drill 25" h 2. Drill 17½" 400 Sx. of 3. Drill 12½" 1500 Sx. of 3. Drill 12½" 1500 Sx. of 4. Drill 7 7/8 5½" S-95 17 Cement with "H" Premium above upper * Concho 0il & IN ABOVE SPACE DESCRI deepen directionally, greener 24. (This sput OPEF PERMIT NO PROF Application: FOCL CONDITIONS EFFE. (H-40 13 3/8" J-55 8 5/8" S-95,N-80 5½" ole to 40'. Set 4 hole to 400'. Run Class "C" cement hole to 4600'. Run Class "C" Light CaCl, circulate " hole to 11,000' # LT&C, 5000' of 500 Sx. of Class Plus cement + ad most pay interva Gas Corp accepts BE PROPOSED PROGRAM: If p timent data on subsurface locations CORE 24 2.50 DATE S-15-0	48 32 .17 0' of 20" or and set 400 + 2% CaCl + n and set 40 weight cement cement to su . Run and set 5½" 17# N-80 "H" Light of ditive. Est: 1. the response and measured and musication 407 27 	400' 4600' 11,000' ncuctor pipe and 0' of 13 3/8" H 1/# Flocele/Sx. 500' of 8 5/8" at + additives, arface. 20 11,000' of 5 0, 4000' of 17# cement + additivities imate top of cent sibility for the vertical depths. Give blowcourse Agent APPROVAL DAGEN able title to those rights in the able title to those rights in the	Cement 1700 S 1000 S d cement to -40 48# ST& circulate 32# J-55 ST tail in wit 'z'' casing a J-55 LT&C, ves, tail i ment 6000' e operation e zone and proposed at preventer program, i ROVAL SUE ERAL REQU	with 400 Sx. Circulate x. circulate cement. x. Top cement 6000'± surface with Redi-mix. C casing. Cement with cement to surface. &C casing. Cement with h 200 Sx. of Class "C" s follows: 1000' of 1000' of 5½" 17# N-80. n with 500 Sx. of Class from surface or 500' of this lease.
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DISTRICT I P.O. Box 1980, Hobbs, NM 88241-18	980		Energy	State Minerals ar				~	Fo	rm C-102
DISTRICT II P.O. Drawer DD, Artesis, NM 86211	-0719	OIL		SERV		ON	DIVIS		Revised Februar to Appropriate Dis State Lease Fee Lease	ry 10, 1994 trict Office - 4 Copies
DISTRICT III 1000 Rio Brazos Rd., Aztec, Na	4 87410		Santa F				04-2088			
DISTRICT IV P.O. BOX 2088, SANTA FE, N.M. 875	04-2088 N	ELL LO	CATION	AND	ACREA	GE D	EDICATI	ON PLAT	AMENDED	REPORT
API Number 30-025-35	973		Pool Code 250		म	FATHE	RSTONE-	Pool Name BONE SPRING		
Property Code 304107				Prop SLKA F	erty Nam	e		DONE DINING	Well Num	aber
OGRID No. 193407		C0]		Oper	ator Nam		ORATION	J	Elevatio 3685	
					ce Loca			• •••••		
UL or lot No. Section N 9	Township 20-S	Range 35–E	Lot Idn	Feet fro 5	om the 10		South line OUTH	Feet from the 1980	East/West line WEST	^{County} LEA
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						'rom Sur		······································	·····
UL or lot No. Section	Township	Range	Lot Idn	Feet fro	m the	North/	South line	Feet from the	East/West line	County
Dedicated Acres Joint or 80	Infill Con	solidation C	ode Or	der No.						
NO ALLOWABLE WI	ILL BE ASS	SIGNED T	O THIS	COMPLE	TION U	NTIL A	LL INTER	ESTS HAVE BE	EN CONSOLIDA	TED
[OR A NO	DN-STANI	DARD UN	IT HAS	BEEN	APPRO	VED BY 1	THE DIVISION		
	3693.1 [°]	3706.5'						I hereby contained herein best of my knowl Signature Joe T. Printed Name Agent Title 06/10 Date SURVEYOF I hereby certify on this plat was actual surveys supervison, and correct to the JUNI Date Surveyed Signature & S Professionar, S	Panica Panica P/02 R CERTIFICATI that the well location plotted from field made by me or to that the same is best of my belief.	Ormation le to the Con ON n shown notes of under my
1980'	685.4' is	3684.0'							RONALD. J. EIDSON GARY ELDSON	N 3239 12641

VICINITY MAP



SEC. 9 TWP. 20-S RGE. 35-E SURVEY N.M.P.M. COUNTY LEA DESCRIPTION 510' FSL & 1980' FWL ELEVATION 3685' OPERATOR CONCHO OIL & GAS CORPORATION LEASE JABLKA FEDERAL COM

JOHN WEST SURVEYING HOBBS, NEW MEXICO (505) 393-3117

LOCALION VERIFICATION MAP



MONUMENT SW, N.M.

APPLICATION TO DRILL

CONCHO OIL & GAS CORP. JABLKA FEDERAL COM. # 1 UNIT "N" SECTION 9 T2OS-R35E LEA CO. NM

In response to questions asked under Section II of Bulletin NTL-6 the following information on the above well is provided for your consideration.

- 1. Location: 510' FSL & 1980' FWL SEC. 9 T20S-R35E LEA CO. NM
- 2. Elevation above Sea Level: 3685' GR.
- 3. Geologic name of surface formation: Quaternery Aeolian Deposits.
- 4. <u>Drilling tools and associated equipment:</u> Conventional rotary drilling rig using drilling mud as a circulating medium for solids removal from hole.
- 5. Proposed drilling depth: 11,000'
- 6. Estimated tops of geological markers:

Rustler Anhydrite	1950'	Bone Spring	8310'
Yates	3845'	lst Bone Spring Sd.	9600 '
San Andres	5120'	2nd Sone Spring Sd.	10,250'

7. Possible mineral bearing formations:

San Andres	0i1
Bone Spring	0i1

8. Casing program:

_	Hole size	Interval	OD of casing	Weight	Thread	Collar	Grade
	25"	0-40	20''	NA	NA	NA	Conductor
	17 ¹ /2"	0-400'	13 3/8"	48	8-R	ST&C	H-40
	124"	0-4600'	8 5/8"	32	8-R	ST&C	J-55
	7 7/8"	0-11,000'	5½''	17	8-R	LT&C	S-95 J-55 N-80

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CONCHO OIL & GAS CORP. JABLKA FEDERAL COM. # 1 UNIT "N" SECTION 9 T20S-R35E LEA CO. NM

9. CEMENTING & SETTING DEPTH:

20"	Conductor	Set 40' of 20" conductor and cement to surface with Redi- Mix.
13 3/8"	Surface	Set 400' of 13 3/8" 48# H-40 ST&C casing. Cement with 400 Sx. of Class "C" cement + 2% CaCl, + ½# Flocele/Sx. Circulate cement to surface.
8 5/8"	Intermediate	Set 4600' of 8 5/8" 32# J-55 ST&C casing. Cement with 1500 Sx. of Class "C" Light cement + additives, tail in 200 Sx. of Class "C" cement + 2% CaCl, circulate cement to surface.
5 ¹ 2"	Production	Set 11,000' of 5½" casing as follows: 1000' of 5½" 17# S-95 LT&C, 5000' of 5½" 17# N-80 LT&C, 4000' of 5½" 17# J-55 LT&C, 1000' of 5½" 17# N-80 LT&C. Cement with 500 Sx. of Class "H" Light weight cement + additives, tail in with 500 Sx. of Class "H" Premium PLus cement +
- PRESSIDE		additives. Estimate top of cement 6000'.

- 10. <u>PRESSURE CONTROL EQUIPMENT:</u> Exhibit "E" shows a 900 Series 3000 PSI working pressure B.O.P. consisting of an annular bag type preventor, middle blind rams and bottom pipe rams. The B.O.P. will be nippled up on the 8 5/8" casing and tested to API specifications. The B.O.P. will be operated at least once in each on trips. Full opening stabbing valve and upper kelly cock will be utilized. Exhibit "E-1" shows a hydraulically operated closing unit and a 2" 3000 PSI choke manifold with dual adjustable chokes. No abnormal pressures or temperatures are expected.
- 11. PROPOSED MUD CIRCULATING SYSTEM:

DEPTH	MUD WT.	VISC.		TYPE MUD SYSTEM
40-400'	8.4-8.7	29-34	NC	Fresh water add paper to
400-4600'	10.1-10.4			control seepage, high visc- osity sweeps to clean hole.
		29–38	NC -	Brine water use paper to control seepage and high viscosity sweeps to clean hole.
4600-9400	9.3-9.8	29-40	NC	Cut Brine add Gel to increas viscosity, Soda Ash to to control pH use high visc- osity sweeps to clean hole.
94-11,000'	9.3-9.8	32-40	10 cc or less	Same as above but add Polymer to reduce water water loss.

Sufficient mud materials will be kept on location at all times in order to combat lost circulation, or unexpected kicks. In order to run DST's , open hole logs, and casing viscosity and/or water loss may have to be adjusted to meet these needs.

AFFLICATION TO DRILL

CONCHO OIL & GAS CORP. JABLKA FEDERAL COM. # 1 UNIT "N" SECTION 9 T2OS-R35E LEA CO. NM

12. TESTING, LOGGING, & COREING PROGRAM:

- A. Open hole logs: Dual Laterolog, SNP, LDT, Gamma Ray and Caliper from TD to 4600'. Run Gamma Ray, Neutron from 4600' back to surface.
- B. Mud logger will be put on hole at 4600'±.
- C. No DST's are planned at this time.

13. POTENTIAL HAZARDS:

No abnormal pressures or temperatures are expected. Hydrogen Sulfide gas may be encountered, H_2S detectors will be in place to detect any presence of unsafe levels of H_2S . No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operations of all equipment that will be used. Estimated BHP <u>5250</u> PSI & estimated BHT 175°

14. ANTICIPATED STARTING DATE AND DURATION OF OPERATION:

Roads and location construction will begin after the BLM approves the APD. Anticipated spud date will be as soon as pad & road construction has been completed. Drilling time for the well is estimated to take <u>40</u> days. If production casing is run an additional <u>30</u> days will be required to complete well and construct surface facilities.

15. OTHER FACETS OF OPERATION:

After running production casing, cased hole Gamma-Neutron & Collar logs will be run over all possible pay intervals. If commercial production from the <u>BONE SPRING</u> pay is indicated it will be perforated and stimulated. Then if necessary the pay will be swab tested and completed an oil well.

- 1. All Company and Contract personnel admitted on location must be trained by a qualified H_2S safety instructor to the following:
 - A. Characteristics of H₂S
 - B. Physical effects and hazzards
 - C. Proper use of safety equipment and life support systems.
 - D. Principle and operation of H₂S detectors, warning system and briefing areas.
 - E. Evacuation procedure, routes and first aid.
 - F. Proper use of 30 minute pressure demand air pack.
- 2. H_2S Detection and Alarm Systems
 - A. H₂S detectors and audio alarm system to be located at bell nipple, end of blooie line (mud pit) and on derrick floor or doghouse.
- 3. Windsock and/or wind streamers
 - A. Windsock at mudpit area should be high enough to be visible.
 - B. Windsock at briefing area should be high enough to be visible.
 - C. There should be a windsock at entrance to location.
- 4. Condition Flags and Signs
 - A. Warning sign on access road to location.
 - B. Flags to be displayed on sign at entrance to location. Green flag, normal safe condition. Yellow flag indicates potential pressure and danger. Red flag, danger, H₂S present in dangerous concentration. Only emergency personnel admitted to location.
- 5. Well control equipment
 - A. See exhibit "E" & "E-1"
- 6. Communication
 - A. While working under masks chalkboards will be used for communication.
 - B. Hand signals will be used where chalk board is inappropriate.
 - C. Two way radio will be used to communicate off location in case of emergency help is required. In most cases cellular telephoned will be available at most drilling foreman's trailer or living quarters.
- 7. Drillstem Testing
 - A. Exhausts will be watered.
 - B. Flare line will be equipped with an electric ignitor or a propane pilot light in case gas reaches the surface.
 - C. If the location is near to a dwelling a closed DST will be performed.

- 8. Drilling contractor supervisor will be required to be familiar with the effects H2S has on tubular goods and other mechanical equipment.
- 9. If H₂S is encountered, mud system will be altered if necessary to maintain control of formation. A mud gas seperator will be brought into service along with H₂S scavengers if necessary.

SURFACE USE PLAN

CONCHO OIL & GAS CORP. JABLKA FEDERAL COM. # 1 UNIT "N" SECTION 9 T2OS-R35E LEA CO. NM

- EXISTING ROADS: Area maps, Exhibit "B" is a reproduction of a County General Hi-way Map. Exhibit "C" is a reproduction of a USGS Topographic map, showing existing and proposed roads. All existing roads will be maintained in a condition equal to or better than current conditions. Any new roads will be constructed to BLM specifications.
 - A. Exhibit "A" shows the location of the proposed well site as staked.
 - B. From Eunice New Mexico take State Hi-way 176 West approximately 16 miles to Pearson Road, turn North and follow road Northeast for 3.8± miles bear Left go 1.7 miles bear Left go 1.7± miles bear Left go 2± miles bear Right go .7 miles miles bear bear Left go 2.2± miles turn Right cross cattle guard go .75 miles to existing well turn Right go to well #1 turn North pass well #2continue on new road approximately 2000' to well location.
 - C. Construct power lines along road R-O-W from existing powerline as shown on exhibit "F" and if necessary lay pipe lines along existing road R-O-W.
- 2. PLANNED ACCESS ROADS: Approximately 2000' of new road will be constructed.
 - A. The access road will be crowned and ditched to a 12' wide traveled surface with a 40' Right-of-Way.
 - B. Gradient on all roads will be less than 5% if possible.
 - C. Turn-outs will be constructed where necessary.
 - D. If needed the roads will be surfaced to the BLM requirements with material obtained from from a local source.
 - E. Center line for the new access road will be flagged.
 - F. The road will be constructed to utilize low water crossings where drainage currently exist, and Culverts will be installed where necessary.
- 3. EXHIBIT "A-1" SHOWS WELLS AND DRY HOLES WITHIN A 1 MILE RAIDUS.

Α.	Water wells	-	None known
в.	Disposal wells	-	One approximately 1.3 miles Southwest of location.
c.	Drilling wells	-	None known
D.	Producing wells	-	As shown on Exhibit "A-1"
E.	Abandoned wells	-	As shown on Exhibit "A-1"

SURFACE USE PLAN

CONCHO OIL & GAS CORP. JABLKA FEDERAL COM. # 1 UNIT "N" SECTION 9 T2OS-R35E LEA CO. NM

4. If on completion this well is a producer the operator will lay pipelines and construct powerlines along existing road R-O-W's or other existing R-O-W's. Possible routes of pipelines, flowlines and powerlines are shown on Exhibit "F".

5. LOCATION AND TYPE OF WATER SUPPLY:

Water will be purchased locally from a commercial source and trucked over the access roads or piped to location in flexible lines laid on top of the ground.

6. SOURCE OF CONSTRUCTION MATERIAL:

If possible construction material will be obtained from the excavation of drill site, if additional material is needed it will be obtained from a local source and transported over the access roads as shown on Exhibit "C".

• 7. METHODS OF HANDLING WASTE MATERIAL:

A. Drill cuttings will be disposed of in the reserve pits.

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- B. All trash, junk and other waste material will be contained in trash cages or trash bins to prevent scattering. When the job is completed all contents will be removed and disposed of in a approved sanitary land fill.
- C. Salts remaining after completion of well will be picked up by the supplier, including broken sacks.
- D. Waste water from living quaters will be drained into holes with a minium of 10'. These holes will be covered during drilling and will be back filled when the well is completed. A Porto-John will be provided for the rig crews. This equipment will be properly maintained during the drilling and completion operations and will be removed when all operations are complete.
- E. Remaining drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry enough to be broken out for furthed drying. If the drilling fluids do not evaporate in a reasonable time they will be hauled off by transports to a state approve disposal site. Later pips will be broken out to speed drying. Water produced during completion will be put in reserve pits. Oil and condensate produced will be put in storage tanks and sold.

8. ANCILLARY FACILITIES:

A. No camps or air strips will be constructed on location.

CONCHO OIL & GAS CORP. JABLKA FEDERAL COM. # 1 UNIT "N" SECTION 9 T20S-R35E LEA CO. NM

- 9. WELL SITE LAYOUT
 - A. Exhibit "D" shows the proposed well site layout.
 - B. This exhibit indicated proposed location of reserve and sump pits and living facilities.
 - C. Mud pits in the active circulating system will be steel pits & the reserve pit is proposed to be unlined unless subsurface condition encountered during pit construction indicate that lining is needed for lateral containment of fluids.
 - D. If needed, the reserve pit is to be lined with polyethelene. The pit liner will be 6 mils thick. Pit liner will extend a minimum 2'00" over the reserve pits dikes where the liner will be anchored down.
 - E. The reserve pit will be fenced on three sides with four strands of barbed wire during drilling and completion phases. The fourth side will be fenced after all drilling operations have ceased. If the well is a producer, the reserve pit fence will be torn down. The reserve pit and those areas of the location not essential to production facilities will be reclaimed and seeded per BLM requirements.
- 10. PLANS FOR RESTORATION OF SURFACE

Rehabilitation of the location and reserve pit will start in a timely manner after all drilling operations cease. The type of reclamation will depend on whether the well is a producer or a dry hole.

However, in either event, the reserve pit will be allowed to dry properly, and fluid removed and disposed of in accordance with Article 7.B as previously noted. The pit area will then be leveled and contoured to conform to the original and surrounding area. Drainage systems, if any, will be reshaped to the original configuration with provisions made to alleviate erosion. These may need to be modified in certain circumstances to prevent inundation of the location's pad and surface facilities. After the area has been shaped and contoured, topsoil from the spoil pile will be placed over the disturbed area to the extent possible. Revegetation procedures will comply with BLM standards.

If the well is a dry hole, the pad and road area will be contoured to match the existing terrain. Topsoil will be spread to the extent possible. Revegetation will comply with BLM standards.

Should the well be a producer, the previously noted procedures will apply to those areas which are not required for production facilities.

CONCHO OIL & GAS CORP. JABLKA FEDERAL COM. # 1 UNIT "N" SECTION 9 T2OS-R35E LEA CO. NM

- 11. OTHER INFORMATION:
 - A. Topography consists of sand dunes with a slight dip to the West. Deep sandy soil supports shinnery oak, native grasses, and an occasional mesquite tree.
 - B. The surface of the land is owned by the Sims Estate and the minerals are owned by The U.S. Department of Interior and administered by the Bureau of Land Management. Surface is used for livestock grazing and oil production.
 - C. An archaeological survey will be conducted on the location and access roads. This report will be filed with The Bureau of Land Management in the Carlsbad field office.
 - D. There are no dwellings in the near vicinity of this location.
- 12. OPERATORS REPRESENTIVES:

Before construction:

TIERRA EXPLORATION, INC P.O. BOX 2188 HOBBS, NEW MEXICO 88241 OFFICE Ph. 505-391-8503 JOE T. JANICA During and after construction:

CONCHO OIL & GAS CORP. 110 WEST LOUISIANA SUITE 410 MIDLAND, TEXAS 79701 ERICK NELSON Phone 915-683-7443

13. <u>CERTIFICATION</u>: I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access roads, and that I am fimiliar with the conditions which currently exist, that the statements made in this plan are to the best of my knowledge true and correct, and that the work associated with the operations proposed herein will be performed by CONCHO OIL & GAS CORP. it's contractors/subcontractors is in compformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provision of U.S.C. 1001 for the filing of a false report.

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DATE	06/19/02
TITLE	Agent

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ARRANGEMENT SRRA

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CONCHO OIL &	GAS CORP.
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UNIT "N"	SECTION 9
T20S-R35E	LEA CO. NM







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FIGURE X4-2. Typical choke manifold assembly for 5M rated working pressure service -- surface installation.

T20S-R35E

LEA CO. NM





CONCHO OIL & GAS CORP. Suite 410

Suite 410 110 W. Louisiana Midland, Texas 79701

(915) 683-7443 Fax 683-7441

July 18, 2002

United States Department of Interior Bureau of Land Management 2909 West Second Street Roswell, New Mexico 88202

Attention: Ms. Linda A. Askwig

5)5(,);

Jabika Federal Com #1 Township 20 South, Range 35 East Section 9: E/2SW/4 1,980' FWL & 510' FSL Lea County, New Mexico

BLM Lease Serial #NM-107397 COG Property #306094-01

Dear Ms. Askwig:

Please refer to your letter of June 20, 2002, concerning deficiencies for the captioned well. Concho Oil & Gas Corp. has reached an agreement concerning the surface use on the above described lands with the fee surface owner.

Yours truly Michael M. Grav Senior Landman

cc: Joe Janica Production Dept.

enclosure MMG/tb:appleseed(89)