	-	TICM INTEXT	CO U 1	Conservation D1	iin, D	istrict I		
Bureau of Land Ma Form 3160-3 Land Ma (July 1992) Received		STATES	a ca Ru Ku	S N. French D. (c55s, NSUBMITIN (Other inst reverse	RIPLICATE*	FORM APPF OMB NO. 10 Expires: Februa	04-0136	
MAY 08 2	DEPARTMENT O	D MANAGEMEN	NT	698		5. LEASE DESIGNATION AN NM 86153		
Carl Strad	ATTON FOR PER	MIT TO DR	ILL O	R DEEPEN		6. IF INDIAN, ALLOTTEE OF	TRIBE NAME	
1a. TYPE OF WORK		DEEPEN				7. UNIT AGREEMENT NAME	E.	
b. TYPE OF WELL	CAS		SIN		101 E			
		<u>.</u>	ZO			8. FARM OR LEASE NAME,		
2. NAME OF OPERATOR						Tomcat '21' Fed	eral #5	
CONCHO RESOU						9. API WELL NO.	20,00	
3. ADDRESS AND TELEPHON							35498	
	A STE 410; MIDLAND TX	· · · ·				10. FIELD AND POOL, OR V		
	ort location clearly and in accordance		ments.*)			Dunes Bolle Spill		
Arsunace 660' FNL	& 1980' FWL, SEC. 21, T-	23S, R-32E	C			11. SEC., T., R., M., OR BLK AND SURVEY OR AREA		
At proposed prod. zone SAME						SEC. 21, T-23S, R-32E		
14. DISTANCE IN MILES AND	DIRECTION FROM NEAREST TOV	VN OR POST OFFICE	•			12. COUNTY OR PARISH	13. STATE	
APPROX. 30 MILE	ES WEST OF JAL, NEW N	IEXICO				LEA CO.	NEW MEXICO	
15. DISTANCE FROM PROPO LOCATION TO NEAREST	DSED*		16. NO. O	F ACRES IN LEASE		ACRES ASSIGNED		
PROPERTY OR LEASE LII (Also to nearest drig. unit lin	NE, FT 6	60'		1020	TO THIS	40		
18. DISTANCE FROM PROPO	SED LOCATION*		19. PROP	OSED DEPTH	20. ROTARY	Y OR CABLE TOOLS		
TO NEAREST WELL, DRIL OR APPLIED FOR, ON TH		320'		9,100'		ROTARY		
21. ELEVATIONS (Show whether					1	22. APPROX. DATE WORK	WILL START	
3672' GR								
23.		PROPOSED CAS		CEMENTING PROGRAM		L		
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FO	тос	SETTING DEPTH		QUANTITY OF CEMEN	т	
25"	20"	NA		40'	(CMT TO SURF W/ REDI-MIX		
17-1/2"	H-40, 13-3/8"	48		600'		650 SX; CIRC TO SURF		
12-1/4"	J-55/S-80, 8-5/8"	32		4800'		1300 SX; CIRC TO SURF		
7-7/8"	K55/N80; 5-1/2	" 17		9100'		900 sx; Est. TOC @ 46		
ACCORDING TO TH 1. Drill 25" hole to 44 2. Drill 17-1/2" hole to 2% CaCl. Circ to sur 3. Drill 12-1/4" hole to Class 'C' + 2% Cacl. 4. Drill 7-7/8" hole to	to 4800'. Run & set 4800'	DURE: cement to surf v 13-3/8", H-40, 4 of 8-5/8", J-55 o	w/ redi-m 48#, ST& & S-80, 3	ix. C csg. Cmt w/ 400 s 2#, ST&C csg. Cmt t	x Class 'C' w/ 1100 sxs	ight & tail in w/ 250 s) : Class 'C' light & tail i	ks Class 'C' + n w/ 200 sxs	
	bus approved in 1997. AP	D has expired.		PF P(EF	ROPERT DOL COL	ARID NO. <u>/66</u> Y NO. <u>14225</u> DE <u>53805</u> <u>4-5-01</u> 0-025-357	5	

IN ABOVE SPACE DESCRIBE PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

signed Math	TITLE Production Analyst	DATE 05/02/00
(This space for Federal or State office use) PERMIT NORICINAL SUGACO OF STATES WILLIAMS DISTRICT I SUPERVISOR	APPROVAL DATE	· · · · · · · · · · · · · · · · · · ·

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. CONDITIONS OF APPROVAL, IF ANY:

Assistant Field Manager,

Lands And Minerals

Mak 8 0 2001



*See Instructions On Reverse Side

DATE

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



•

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

State of New Mexico

Energy, Minerals and Natural Resources Department

•

~-

Form C-102 Revised February 10, 1994 Instruction on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

-	Number		(Pool Code		Sar	nd Duhes;	Fool Name	· · · · · · · · · · · · · · · · · · ·	
<u>30-02.</u>	5-35	498 53805 Bone Spring South						4/2		
Property		Property Name /					Well No	umber		
24225		TOMCAT "21" FEDERAL						5		
OGRTD N	n				Opera	ator Nam	76		Eleva	tion
16611	1	Con	cho Reso	ources I	nc.				368	6'
			<u> </u>		Surfac	e Loc	ation			
UL or lot No.	Section	Township	Range	Lot Idn	Feet fro	m the	North/South line	Feet from the	East/West line	County
С	21	23 S	32 E		66	0	NORTH	1980	WEST	LEA
	L	L	L	Hole Loc	L		rent From Sur			
UL or lot No.	Section	Township	Range	Lot Idn	Feet fro		North/South line	Feet from the	East/West line	County
Dedicated Acre	s Joint of	r Infill Co	i n::olidation (Code Ord	ter No.		L			
40										
L										
NU ALL	MADLE W	OR A N	JON-STAN	DARD UN	TT HAS	HUN U	NTIL ALL INTER APPROVED BY 1	ESTS HAVE BE	EN CONSOLIDA	ATED
	2	1						OPERATO	R CERTIFICAT	
		ço.	3			Ļ		11		
		3681.9	3685.6'			ļ			, certify the the inj i is true and compl	
	1980'					ł		best of my know		
	;	I 				!			\frown	
		3684.4'	3687.1*						. T//	
	(per					- Jai	illa			
						-+-		Signature	-//.	
		•				1		Printed Name	Janica	
						1		11	e	
						1		Agent		
	l l					1		03/17/	97	
			Date				[]			
						- İ			-	
		,						SURVEYO	R CERTIFICAT	ION
	Í					i		I hereby certify	that the well locati	on shown
1	1					i			s plotted from field	
	Í					i			made by me or I that the same is	
	j					i		correct to the		
	Ì					i			GARY L JONES	
	i					i		Mar	CON MEX	
	· ∔_							Date Surveye Signature &		
	1							Professional		
1	i I					1			Lad	Le la
	1					1		1 3 1 1	XPQ/	Sen 1
	1					1			All fores in The A	
	1					1		W.U.S	CULTUSION 44	
	1					1		Certificate No	GARY L. JONES,	7977
L	1 					1				
			l					J L]

Application to Drill

Concho Resources Inc. Tomcat "21" Federal No. 5 UL: C; Sec. 21, T-23S, R-32E Lea County, NM

In response to questions asked under Section IIB of Bulletin NTL-6 the following information is provided for your consideration:

- 1. Location: 660' FNL & 1980' FWL, Sec. 21, T-23S, R-32E, Lea County, NM
- 2. Elevation Above Sea Level: 3686' GR
- 3. <u>Geologic Name of Surface Formation:</u> Quaternery Aeolian Deposits
- 4. <u>Drilling Tools and Associated Equipment:</u> Conventional rotary drilling rig using fluid as a circulating medium for solids removal.
- 5. Proposed Drilling Depth: 9,100'

6. Estimated Tops of Geological Markers:	Delaware 4900' Bone Spring 8700'
7. Possible Mineral Bearing Formation:	Delaware Oil Bone Spring Oil

8. Casing Program:

Hole Sz	Interval	OD Csg	Weight	Thread	Collar	Grade	Condition
25"	0-40'	20"	Cond.	NA	NA	NA	New
17-1/2"	0-600'	13-3/8"	48#	8-R	ST&C	H-40	New
12-1/4"	0-4800'	8-5/8"	32#	8-R	ST&C	J-55/S-80) New
7-7-8"	0-9100'	5-1/2"	17#	8-R	LT&C	K-55/N-8	0 New

9. Cementing & Setting Depth:

20"	Conductor	Drill 25" hole to 40'. Set 40' of 20" conductor.
		Cement to surface with Redi-mix.
13-3/8"	Surface	Drill 17-1/2" hole to 600'. Run & set 600' of 13-3/8",
		48#, H-40, ST&C casing. Cement with 400 sacks
		Class "C" Light, tail in with 250 sacks Class "C" + 2%
		CaCl. Circulate cmt to surfrace.
8-5/8"	Intermediate	Drill 12-1/4" hole to 4800'. Run & set 4800' of 8-5/8",
		J-55, 32# ST&C casing. Cement with 1100
		sacks Class "C" Light, tail in with 200 sacks Class
		"C" + 2% CaCI. Circulate cmt to surface.
5-1/2"	Production	Drill 7-7/8" hole to 9100'. Run & set 9100' of 5-1/2",
		17#, K-55/N-80, LT & C casing. Cement with 500
		sacks Class "H" Light, tail in with 400 sacks 50/50
		POZ "H" + additives. Estimated top of cement –
		4600'.

Application to Drill

Concho Resources Inc. Tomcat "21" Federal No. 5 UL: C; Sec. 21, T-23S, R-32E Lea County, NM

10. <u>Pressure Control Equipment:</u> Exhibit "E". A 900 Series 3000 psi working pressure BOP consisting of a double ram type preventor with a bag type annular preventor. BOP unit will be hydraulically operated. Exhibit "E-1". Choke manifold and closing unit. BOP will be nippled up on 13-3/8" casing and will be operated at least once each 24 hour period while drilling and blind rams will be operated when out of hole during trips. Flow sensor, PVT, full opening stabbing valve and upper kelly cock will be utilized. No abnormal pressure or temperature is expected while drilling.

11. Proposed Mud Circulating System:

Depth	Mud Wt.	Visc.	Fluid Loss	Type Mud
40-600'	8.6-9.0	29 - 36	NC	Fresh Water spud mud add paper for seepage control.
600-4800'	10-10.3	29 - 32	NC	Brine water add Lime for pH control & paper for seepage.
4800-9100'	8.8-9.0	29 – 33	10 cc or less	Cut brine soda ash drispac & starch for water loss control.

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

- 12. Testing, Logging and Coring Program:
 - A. Gamma Ray from TD to surface, Caliper from TD to 8-5/8" casing shoe.
 - B. CNL LDT, AIT, MSFL Caliper from TD to 8-5/8" casing shoe.
 - C. Mud logger on from 4800' to TD.
- 13. Potential Hazards:

No abnormal pressures or temperatures are expected. Hydrogen Sulfide (H2S) Gas may be encountered. H2S detectors will be in place to detect any presence. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operations of equipment being used. Estimated BHP 3500 PSI, estimated BHT 130°.

14. Anticipated Starting Date and Duration of Operations:

Road and location construction will begin after BLM approval of APD. Anticipated spud date as soon as approved. Drilling expected to take 16-18 days. If production casing is run an additional 15 days will be required to complete and construct surface facilities.

15. <u>Other Facets of Operations:</u> After running casing, cased hole gamma ray neutron collar logs will be run from TD over possible pay intervals. The Bone Spring pay will be perforated and stimulated. The well will be swab tested and potentialed as an oil well.

Hydrogen Sulfide Drilling Operations Plan

Concho Resources Inc. Tomcat "21" Federal No. 5 UL: C; Sec. 21, T-23S, R-32E Lea County, NM

- 1. All Company and Contract personnel admitted on location must be trained by a qualified H2S safety instructor to the following:
 - A. Characteristics of H2S
 - B. Physical effects and hazards
 - C. Proper use of safety equipment and life support systems
 - D. Principle and operation of H2S detectors, warning systems and briefing areas.
 - E. Evacuation procedure, routes and first aid
 - F. Proper use of 30 minute pressure demand air pack
- 2. H2S Detection and Alarm Systems
 - A. H2S detectors and audio alarm system to be located at bell nipple end of blooey line (mud pit) and on derrick floor or doghouse.
- 3. Windsock and/or Wind Streamers
 - A. Windsock at mud pit 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 – indicating potential pressure and danger. Red Flag – danger – H2S present in dangerous concentration. Only emergency personnel admitted on location.
- 5. Well Control Equipment See Exhibit "E"
- 6. Communication
 - A. While working under masks chalkboards will be used for communication.
 - B. Hand signals will be used where chalkboard is inappropriate.
 - C. Two way radio will be used to communicate off location in case emergency help is required. In most cases cellular telephones will be available at most drilling foreman's trailer or living quarters.
- 7. Drill Stem Testing
 - A. All testing will be done in the daylight hours.
 - B. Exhausts will be watered.
 - C. Flare line will be equipped with an electric ignitor or a propane pilot light in case gas reaches the surface.
 - D. If location is near any dwelling a closed DST will be performed.

Hydrogen Sulfide Drilling Operations Plan

, '

Concho Resources Inc. Tomcat "21" Federal No. 5 UL: C; Sec. 21, T-23S, R-32E Lea County, NM

- 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 separator will be brought into service along with H2S scavengers if necessary.

Surface Use Plan

Concho Resources Inc. Tomcat "21" Federal No. 5 UL: C; Sec. 21, T-23S, R-32E Lea County, NM

- 1. EXISTING ROADS: Area map, Exhibit "B" is a reproduction of the New Mexico General Highway Co. map. Exhibit "C" is a reproduction of a USGS Topographic map. All existing roads and proposed roads are shown on each exhibit. All 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 proposed development well as staked.
 - B. From Eunice New Mexico take State Highway 18 South 2.5 miles to Delaware Basin Rd (CR-21) go 32.6 miles to State Highway 128 turn West, go 13.2 miles to Lea-Eddy County Line and turn Northeast on pipeline road, go 3.7 miles turn Northwest and go .65 miles to Yates well bear North 1 mile to location.
 - C. Lay 3" polyethylene pipeline to transport produced fluids to a common tank battery. Construct a 1250 KV electric power line along road ROW in order to produce oil and gas from this well.
 - A. PLANNED ACCESS ROADS: None
- 2. LOCATION OF EXISTING WELLS IN A ONE MILE RADIOUS EXHIBIT "A-1"
 - A. Water Wells Exhibit C
 - B. Disposal Wells None known
 - C. Drilling Wells Exhibit C
 - D. Producing Wells Exhibit "A-1"
 - E. Abandoned Wells Exhibit "A-1"
- 3. If upon completion this well is a producer, Concho Resources Inc. will furnish maps and/or plats showing on site facilities or off site facilities if needed. This will be accompanied with a Sundry notice.
- 4. LOCATION AND TYPE OF WATER SUPPLY Water will be purchased locally from a private source and trucked over the access roads or piped in flexible lines laid on top of the ground.
- 5. SOURCE OF CONSTRUCTION MATERIALS If needed, construction materials will be obtained from the drill site's excavations or from a local source. These materials will be transported over the access route as shown on Exhibit "A".

Surface Use Plan

Concho Resources Inc. Tomcat "21" Federal No. 5 UL: C; Sec. 21, T-23S, R-32E Lea County, NM

6. METHODS FOR HANDLING WASTE DISPOAL

- A. 1. Drill cuttings will be disposed of in the reserve pit.
 - 2. Trash, waste paper, and garbage will either be contained in a fenced trash trailer or a trash pit, fenced with mesh wire to prevent wind scattering during storage. When the rig moves out, all trash and debris left at the site will be contained to prevent scattering and will be buried at least 36" deep within a reasonable period of time.
 - 3. Salts remaining after completion of the well and broken sacks will be picked up by the supplier.
 - 4. Sewage from trailer house will drain into holes with a minimum depth of 10' 00". These holes will be covered during drilling and backfilled upon completion. A "porta potty" will be provided for the rig crews. This will be properly maintained during the drilling operations and removed upon completion of the well.
- B. Remaining drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry enough for backfilling. In the event drilling fluids will not evaporate in a reasonable period of time they will be transported by tank truck to a state approved disposal site.
 Water produced during testing of the well will be disposed of in the

reserve pit. Oil produced during testing of the well will be stored in test tanks until sold and hauled from the site.

7. ANCILLARY FACILITIES No camps or airstrips will be constructed.

- 8. WELL SITE LAYOUT
 - A. Exhibit "D" shows location and rig layout.
 - B. Exhibit "D" indicates proposed location of reserve and trash pits; and living facilities.
 - C. Pit is proposed to be unlined, unless subsurface conditions encountered using pit construction indicate that lining is needed for lateral containment of fluids.
 - 1. If lining of reserve pit is needed it is to be lined with PVC or polyethylene. The pit liner will be 6 mils thick. Pit liners will extend a minimum 2' 00" over the reserve pit dikes, where the liner will be anchored down.

Page 5

Surface Use Plan Concho Resources Inc. Tomcat "21" Federal No. 5 UL: C; Sec. 21, T-23S, R-32E Lea County, NM

D. 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.

9. 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 of 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 been be leveled and contoured to conform to the original and surrounding area. Drainage systems, if any, will be reshaped to the original configuration with previsions 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. Top soil 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.

10. OTHER INFORMATION:

- A. Topography, as shown on topographic map consists of sand dunes with a Westerly dip toward the Pecos River. The surface is used mainly for live stock grazing and access to Oil & Gas production. Surface vegetation consists of native grasses, shinnery oak, mesquite, sandsage and snake weed.
- B. The surface is owned by the Department of Interior, Bureau of Land Management.
- C. An archeological survey has been conducted of the location and road. This was submitted separately to the BLM upon completion.
- D. There are no dwellings within 2 miles of this location.

Surface Use Plan

Concho Resources Inc. Tomcat "21" Federal No. 5 UL: C; Sec. 21, T-23S, R-32E Lea County, NM

12. OPERATORS REPRESENTATIVES: Concho Resources Inc. 110 W. Louisiana, Suite 410 Midland, Tx 79701 (915) 683-7443 Mr. Joe Wright Mr. Jim Blount

13. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar 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 Resources Inc., its contractors/subcontractors is in the conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provision of USC 1001 for the filing of a false statement.

hell and	Engineer	5/2/00
foe Wright	Title	Date

Pogo Prod. 3 : 1 : 2007 98191 santa re snyder 98191 30 9 330 9 Texaco HBP Pogo Prod A PULL 63994 - H8P 4444 Pogo Prod L es Pet. etal h. ... 330 ≌ 10 20 4 3 10 20 4 3 86 99 bao Pro 2 : 99 VA 1148 36750 State œ١ 6 2 Yates Pet Suffron Ut P25 (Nadel : Gus (Santo Fe Ener.) Plotinum Fed -1Bn Spr. Disc P65 Lillie Yates 9 1 . 95 Strata Prod Aracango Fed TD 9000 DIA 3 14 93 62223 +Fea E 312 c TO 5C + Cel 48** DA1/ 25 C o., Q. 1 ۱ ۱ U. 5. Θ u s. "Thy o"L Stote Mitchell Ener. Concha Res. 3 98192 160 9 ¢ Trigg Fed 104712 D/A625 Strate Texaco 86923 Yates Pet. 18648 Burlingto Strata Prod 85940 85939 77062 86925 Myco Bitsy-Fed. ope **()** - Mycolna (Sharbro Oil) 9 | 95 62223 's Ю Strata Prod Araconga Fed To Baes DiA : 17 96 Exxpn Cent Sw Oil Corp. Fed. T05200 D/A3 T86 9 10 la Fed 1 95 Sharbro-Fed Strati Burli # 0 0536 Strata Prod 6 - 1 - 95 6 4 7 2 8 90 00 pland | McBee Oil Confil Fed Dates cz `⊕' Santa Fe Ener 'Tomcot-Fed.' Strata Prod Colbri-Fed TD9050 Pi8 sperior i 06151 1910 D.Sc.) (1 (100) TOISESO il-Fed (geisi) U. S. U.5 Temra 9' Fed " U.S U.S. Texaco 18848 Lillie Yates) 62223 04 05 Texaco H8P Fe Ener Fe Ener Confed Texoco Texoco Texoco υ Level one 1 TIA900 ٥S Strata Prod. eta) 84728 1 Yeti 1 Pet 1 9 - 1 1 770 1 12 ۲ Concho Res Strata Prod. 16 OSA Myco Sharbi Strata Godgrmiz V-4340 84729 515500 812435 Concho Res 78903 ².o. Ð Strato Prod. 6 - 1 - 95 84728 90<u>90</u> 1**8** (L.E E Innerority Jr Texocoetal /2 to 15600 9558539 (Santa Fell Concho Res 16 Trigg Conti Fe TP5086 D/A6-1-6 0,2 Sancha Re Toment St 1/2) 14 (Friste Drou Pice Biff: In (Pice) ,,∍ ٥ Concho Tomcat - St Texac T Concho Res. Tomcat. Fed Com. SDE Fed" U.S at-st." Concho Act. Tomcat- 23 (wo) speri 23 32 Cueryo. # 206 #196-26-89 State Harvard to Ba, Sprg Base (Amoco.DR) A, I Texaco 4 Tomcot Fed Harvard Pe to Bn Sprg B Alturs, D/I HBP 0559539 Fe r.etal) S Conche Bes WC+ win Montaria Bn. Sprgs. base urlington Res. ଡ଼ Concha Res Sun 10 10 Sun 10 10 Pesi 3 1 39 V 4351 575 05 5 9 5 3 9 1-96 153 Concho Res. Concha Res 3-1-2006 88163 74949 143-23-63 96240 675 <u>00</u> štaked 96239 DAMON 86976 O(1718) ·@' (Penwell) Concha Res (Penwell En Torncat F TD 15463 (Marc Disc) 1 8:00 Įģ Conc Tom Fed as - red. Estill El 5347 To 4547 Del 4601 D/411-0-55 ramondtail Fed." ocation e² • • ² • • ² Concho R 4 - 1 - 96 89 53 Atoka Dis Res J. Avion Fe Concho James - Fed ana 7 Concho Res Bi654 Ma ed " F409 1 Santa Fe Ene 11M11334U S _____ Mitchell +F536 ______ 30 Fed. Echo (Strata) Avion Fed. TD 9000 9.1-2005 95:43 "SDE-Fed 4.1 -\$+4) 13883 Diamondta Fed (P/B) amondhiil A °°µs US U.S. "Avion Fed" 317 Burlington 317 Burlington F318 Votes Per 5318 August 66924 U, S. U.S.M.I (Mobil) Harvard Pe to Bn Sprg.Bo Altura D/R (4) (4) itchell Er to 14 Peter State (5) 1.481 Meridian, 12 Continental, 1/2 HBP Burlington 9 1 95 62225 Concho Res Pes Darius-Fee Burlington P 79 HBP 0559539 Yates Pet. 063228 86154 43.44 88164 Altura F130 1 (P/B) HBP 0559539, Palmer E, McCarver Fed TO 5210 D/A 11-3-61 H.L. Web TO 5 C/A 4 (Motodor) Pet J Continental) 27 ·⊙') i•' 26 Matador Pet, PM 29 HAF 063228 Matador P 2061228 Estacado, Inc Santa Fe. Ener Tresnor Mitchell "Jorfed E Hibbertt 19961 178 85 -Harvard Re Jomes-Fe (TD4344 ÷ 063228 Yates Pet rorsley Fed Matador Pet. (wa) (PIB) + F64 Meridian 011 9 | 95 62225 Ľυ "Cont'l Fed PZZ . ¢ US W.A. Dough U.S. 1.97 Dreafus Hat Sas, 72, etai Yrigh, Store (s) Yates Pet. etal Burlington 9 · 1 · 95 62225 0(wo) P62 F359 Texaca Maryard P M Drig P154 IPortners Harvard Pet Penroc etai Triste-St. Tp5190
 Patierson Prt. RedRuby-Fed. Tp9100 O 3 2 2 6 Jempo Ener Payne Fed TD 5057 18846 2063 Santa Re Ener. King Hankomer Holder 70 4235 D/48 14 62 - AL D 12.1.3.2. ILIgra Dise) ¥2.W. F310 Burlingto ¢' 920) DISC ¢۵ 94616 31 7:39 (Texo) +++++0 T0 9150 33 Yotes Pet, etal 35 12 1 2009 103606 45 9 ton 34 TAI 101 OF125 1 Sw0 (WO) - HI25 C Hankomer Cont'l-Fed TD4740 JAIO-6-62 Q Fasken Gulf: Sy To 5206 TRISTE DRAM, W • FI15 13 P. M. Drig Fea James TD SIID D/A 6 ZZ 61 Unio Fea F89 U.S. 50E Fed State M. 03226 U. S. Fed Payne Triste Src Burlington 45 nates fet. Santa Fe Burlington 9 · 1 · 93 Nesa Ve. 1.5454 18 <u>72</u> Burlington 2 1 39 7 4298 137 2 90904 ² 4<u>00</u> 00 Burlingto 6 · I · 2009 94850 195 <u>00</u> mer 189174 90812 65 90 lates Pet.,ctai 704 797 D/48 28 62 | 100 5 1 Stote Keller RV 1 T. Hodge Marathan St. 82913 29 9 2 SantaFeEn Zia 6 Fed 6 "Nafta-Fed." (5) . (Enron)-Mesg Verde-Fed Del Disc P66 Texaco Ohio-St ````^{\$\$\$\$} 2 Louis Dreyfus Not Gor F126 HBP U.S.M.I L.D Beorden ۲GS 0reytus No. 4. 9 97 8 9174 775 9 Cont / f Cont / f Cont / f C 362 TC 309 D'45 25 Ð Max Wilson Guir Fea TD4 905 D'A 8 15 79 1 "Meso Verde fed." 5 6 9 A NM- SI <u>U. S</u> ''U' S ¢ State M. U.S. <u>(S</u>) US 11 114 77 Santa Fe Ener . 42 Burlington Pogo Prod., 60% 55953 Meridian Vick Tank - Fed. 108856 1087694 F95 02 Burlington HAP 55953 •' Burlington 6 1 2004 93212 115 22 Burlington 6 | 2004 93212 115 29 Θ Meridian Jack Tan Feat 9900 Chevron Matodor Pet, 01917 Ž, · A (Motodor Che 18C . TD 100 02889 Prod. 609 Prod. 609 10 9812 055354B Olgin EXHIBIT "A-1" ridian Burlington HSP 55 953 ONE MILE RADIUS MAP (1)44 А) Burlington (Paga Prod.,60%) CONCHO RESOURCES INC. PZZ TOMCAT '21' FEDERAL #5 90812 ĩ بغدو وعا \mathbb{P} Mesa Verde Fed." UL: D, SEC 21, T-23S, R-32E "Nafta-Fed." **(**128) I.S., MI U.S., M tate, S. Keller US. U. S. LEA CO., NEW MEXICO Millennum Ener RSE Partners 10.18 Phillips H H P ങി enneco .e.s. ca Ferr





Exhibit "C" Topographic Map Showing Direction & Roads To:

Concho Resources Inc. Tomcat "21" Federal #5 UL: C; Sec. 21, T-23S, R-32E Lea County, NM





Fill Line

ARRANGEMENT SRRA

900 Series

3000# Working Pressure

Exhibit "E" BOP Sketch to be Used On: Concho Resources Inc. Tomcat "21" Federal #5 UL: C; Sec. 21, T-23S, R-32E, Lea County , NM

 \rightarrow





FIGURE K6-1. The schematic sketch of an accumulator system shows required and optional components.



FIGURE K4-2. Typical choke manifold assembly for 5M rated working pressure service — surface installation.

۱

Exhibit "E-1" Choke Manifold & Closing Unit Concho Resources Inc. Tomcat "21" Federal #5 UL: C; Sec. 21, T-23S, R-32E, Lea County , NM

1