		Ba	السيع			·		
Form 3160-3 (July 1992)	IIN		N.	M. Cil 🖏	GT IN her bat		St. 2 FORMAS	CISF
483		NT OF THE		BRIDRW. C	arerse Mane	aide) I AVSI	Expires: Febr	1004-0136 Tary 28, 1995
	BUREAU C	OF LAND MANA	AGEM	e Artesia.	NBA	8804	J. LEASE DESIGNATIO	N AND BERIAL NO.
APP	LICATION FOR	PERMIT TO	DBI		DEN	the second s	<u>NM-103571</u>	
14. TIPL OF WORK							6. IF INDIAN, ALLOTT	LE OR TRIBE NAME
b. TIPE OF WELL	RILL 🖾	DEEPEN					T. UNIT AGREEMENT	NAME
OIL	WELL OTHER	149678	-	SINCLE	MULTI Zone		S. FARM OR LEASE NAME W	8595
KUKUI OPERATI							HIGHLANDS "25"	
3. ADDRESS AND TELEPHONE N	NG COMPANY (LA	RRY STRIDER	915-	-687-6200)			9. AR WELL NO.	
203 WEST WALL				103.00	120	<u>.</u>	30-015-3	2334
4. LOCATION OF WELL (Report location clearly an	id in accordance w	15 /S	970 (915 ₁)	68/-63	<u>490)</u>	10. FIELD AND POOL, C	DE WILDCAT
			1		1. m	516	UNDES-BUNT	ING Ranch
At proposed prod. zo	O' FEL SECTION .	25 T19S-R2	EE	EDY CO. NM		1	11. BEC., T., R., M., OR AND SURVEY OF AN	
14. DISTANCE IN MILES	AND DIRECTION FROM NE.	<u>(P)</u>		t kedety <u> <u> </u> </u>		1819		19S-R21E
Approximately	15 miles South	of Hone New	T OFFIC			S/	12. COUNTY OR PARISH	13. BTATE
15. DISTANCE FROM PROF	*03ED*			O. OF ACTES IN LI			EDDY CO.	NM ·
LOCATION TO NEARES PROPERTY OR LEASE	TINE PO	760'	10	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	4.80 C	17. NO. О ТО ТН	ACRES ASSIGNED	
(Also to nearest dri 18. DISTANCE FROM FROM	COSED LOCATIONS		10 0	1920 ROPOSED DEPTH			320	
TO NEAREST WELL, E of Applied For, on th	BILLING, COMPLETED	3000'	15. 1	8000 1		20. ROTAR	T OR CABLE TOULS	
21. ELEVATIONS (Show wh		5000		8000			ROTARY	
	,	4131' GR					22. APPROX. DATE WOR	
23.							WHEN APPROVED	
		PROPOSED CASE	NG ANI	CEMENTING PR	ROGRAM			
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FO	07	SETTING DEPT	тн		QUANTITY OF CEMENT	·
<u>20''</u> 12½''	Conductor 14"	NA		40'		Cement	to surface wit	h Redi-mix
8 3/4"	<u>J-55 9 5/8''</u> N-80 55''	36		1450']	1150 Sx	. Circulate to	surface
0 3/4	N-80 5 ¹ ₂ "	17		8000'		1000 Sx	. Estimate TOC	4700'

- 1. Drill 20" hole to 40'. Set 40' of 14" conductor pipe and cement to surface with Redimix.
- 2. Air drill 12½" hole to 1450'. Run and set 1450' of 9 5/8" 36# J-55 ST&C casing. Cement with 720ft³ of 9.0#/Gal Class "C" foam cement(1150' of fill + 100% excess), tail in with 188ft³ (300' of fill +100% excess) of Class "C" cement + 2% CaCl. If cement does not circulate, immediately cement annalus through 13 5/8" casing head with an additional 200ft³ of 9#/Gal Class "C" foam cement and cap with 50 Sx. of Class "C" cement + 2% CaCl.
- 3. Drill 8 3/4" hole to 8000'. Run and set 8000' of 5½" 17# N-80 LT&C casing. Cement with 1000 Sx. of 50/50 POZ Class "C" cement + additives, estimate top of cement 4700' form surface.

Resurant Controlled Water Rest

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

signer faire	Agent	DATE 04/22/02
(This space for Federal or State office use) PERMIT NO Application approval does not warrant or certify that the applicant he CONDITIONS OF APPROVAL IF ANY:	APPROVAL DATE GEN	ROVAL SUBJECT TO ERAL REQUIREMENTS AND
CONDITIONS OF APPROVAL IF ANY:		CHED
APPROVED BY /S/ JOE G. LARA	FIELD MANAGER	
*(Carlandaria On David Crit	



AHAD D BOU VEN

DISTRICT I P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II P.O. Drawer DD, Artonia, NM 86211-0719

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico

Energy, Minerals and Natural Resources Departme.

Form C-102 Revised February 10, 1994 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

API Number	Pool Code	Pool No UNDESBUNT		
Property Code	Prop. HIGHLAND	Well Number 3		
OGRID No. 149678		itor Name ATING COMPANY	Elevation 4131	
	Surfac	e Location		

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Р	25	19 S	21 E		760	SOUTH	990	EAST	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/West line	County
Dedicated Acres 320	Joint o	r Infill Co	nsolidation (Code Or	der No.				

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

		· · · · · · · · · · · · · · · · · · ·
		OPERATOR CERTIFICATION
	1	I hereby certify the the information
		contained herein is true and complete to the
	ş	best of my knowledge and belief.
		Joe T. Janica Printed Name Agent Title 04/22/02 Date
	i i	Date
		SURVEYOR CERTIFICATION
GEODETIC COORDINATES NAD 27 NME Y=591751.9 X=374261.3 LAT 32'37'34.19"N LONG. 104'44'30.29"W		I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my beilef.
	i i	APRIL 10, 2002
<u>├</u> <u>+</u>		Date Surveyed
	4141.9 4131.7 4131.7 990' 4132.4 4125.3	0000111 - Carlon -4/11/02
		Certificate No. RONALD SETSON 3239 GARY EDSON 12641 10100 ROFESSION

VICINITY MAP



SEC. <u>25</u> TWP. <u>19-S</u> RGE. <u>21-E</u> SURVEY N.M.P.M. COUNTY____EDDY DESCRIPTION 760' FSL & 990' FEL ELEVATION 4131 OPERATOR KUKUI OPERATING COMPANY (505) 393-3117 LEASE______HIGHLANDS "25" FED

JOHN WEST SURVEYING HOBBS, NEW MEXICO

LOCATION VERIFICATION MAP



SEC. 25 TWP. 19-S RGE. 21-E SURVEY_____N.M.P.M. COUNTY____EDDY DESCRIPTION 760' FSL & 990' FEL ELEVATION _____ 4131 OPERATOR KUKUI OPERATING COMPANY (505) 393-3117 LEASE HIGHLANDS "25" FED U.S.G.S. TOPOGRAPHIC MAP

ANTELOPE SINK

ANTELOPE SINK

JOHN WEST SURVEYING HOBBS, NEW MEXICO

APPLICATION TO DRILL

KUKUI OPERATING COMPANY HIGHLANDS "25" FEDERAL # 3 UNIT "P" SECTION 25 T19S-R21E EDDY 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: 760' FSL & 990' FEL SEC. 25 T19S-R21E EDDY CO. NM
- 2. Elevation above Sea Level: 4131' GR.
- 3. Geologic name of surface formation: Quaternery Aeolian Deposits.
- 4. Drilling tools and associated equipment: Conventional rotary drilling rig using drilling mud as a circulating medium for solids removal from hole.
- 5. Proposed drilling depth: 8000'

6.	Estimated tops of geolog	ical markers:		
	San Andres	1450'	Strawn	7080 '
	Drinkard	2880 '	Atoka Clastics	7240 '
	Wolfcamp	4590	Morrow Clastics	7590'
	Cisco	6070 '	Barnett Shale	7770 '
7.	Canyon Possible mineral bearing	6480' formations:	Chester .	7840 '
	Wolfcamp	Gas	Atoka	Gas
	Cisco/CAnyon	Gas	Morrow	Gas

8. Casing program:

Hole size	Interval	OD of casing	Weight	Thread	Collar	Grade
20''	0-40'	14"	NA	NA	NA	Conductor
125	0-1450'	9 5/8"	36	8-R	ST&C	J-55
8 3/4"	0-8000'	5 ¹ ₂ ''	17	8-R	LT&C	N-80

KUKUI OI	PERATI	NG CC	MPAN	ſY
HIGHLANDS	"25"	FEDER	AL	‡ 3
UNIT "P"		SECI	ION	25
T195-R21E		EDDY	со.	NM

9. CEMENTING & SETTING DEPTH:

14"	Conductor	Set 40' of 14" conductor pipe and cement to surface with Redi-mix.
9 5/8"	Surface	Set 1450' of 9 5/8" $36\#$ J-55 ST&C casing. Cement with 720 ft ³ of 9.0#/Gal Class "C" foam cement(1150' of fill + 100% excess), tail in with 180 ft ³ of Class "C" + 2% CaCl (300' of fill + 100% excess). If cement does not circulate, immediately cement annalus through 13 3/8" casing head with an additional 200 ft ³ of 9.0#/Gal Class "C" foam cement and cap with 50 Sx. of Class "C" cement + 2% cacl.
5 ¹ 2''	Production	Set 8000' of 5½" 17# N-80 LT&C casing. Cement with 1000 Sx. of 50/50 POZ Class "C" cement + additives,

- etimate top of cement 4700' from surface. 10. PRESSURE CONTROL EQUIPMENT: 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 9 5/8" casing and tested to API specifications. The B.O.P. will be operated at least once in each 24 hour period and the blind rams will be operated when drill pipe is out of hole on trips. Full opening stabbing valve and upper kelly cock will be utilized. Exhib "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.	FLUID LOSS	TYPE MUD SYSTEM
40-1450*	Air	NA	NA	Drill surface with air
1450-8000'	8.8-9.5	29-34	NC	Cut brine use paper to control seepage Soda- to control pH Salt Gel for viscosity.

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.

and a second development of the second se

KUKUIOPERATING COMPANYHIGHLANDS"25"FEDERAL# 3UNIT"P"SECTION25T19S-R21EEDDYCO.NM

12. LOGGING, CORING, AND TESTING PROGRAM:

- A. Open hole logs: Dual Laterolog, CNL,LDT, Gamma Ray Caliper from TD to 1450'. Gamma Ray, Neutron from 1450' to surface.
- B. FMI in selected intervals in the Atoka-Morrow sections
- C. Put mud logger on hole 500' above the top of San Andres.
- D. Possible DST's in the Wolfcamp, Cisco/Canyon, Atoka and Morrow.

13. POTENTIAL HAZARDS:

No abnormal pressures or temperatures are expected. There is no known presence of $\rm H^2S$ in this area. If $\rm H^2S$ is encountered the operator will comply with the provisions of Onshore Oil and Gas Order No. 6. No lost circulation is expected to occur. All personnel will be familiar with all aspects of safe operation of equipment being used to drill this well. Estimated BHP 4000 PSI, and Estimated BHT 145°.

14. ANTICIPATED STARTING DATE AND DURATION OF OPERATION:

Road and location construction will begin after the BLM has approved the APD. Anticipated spud date will be as soon after BLM approval and as soon as a rig will be available. Move in operation and drilling is expected to take 23 days. If production casing is run then an additional 30 days will be needed to complete well and construct surface facilities and/or lay flowlines in order to place well on production.

15. OTHER FACETS OF OPERATIONS:

After running casing, cased hole Gamma Ray, Neutron Collar logs will be run from TD back to all possible productive zones. The <u>MORROW</u> formation will be perforated and stimulated in order to establish production. The well will be swab tested and potentialed as a gas well.

HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

- 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 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. H₂S 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.

<u>--</u> ...

- 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.

KUKUI OPERATING COMPANYHIGHLANDS "25" FEDERAL # 3UNIT "P"SECTION 25T19S-R21EEDDY CO. NM

- 1. EXISTING AND PROPOSED ROADS: Area maps: Exhibit "B" is a reproduction of a County General Hi-way map showing access roads to the location. Exhibit "C" is a reproduction of a USGS Topographic map showing existing roads in close proximity to the location and the proposed access roads. All existing roads will be maintained in a condition equal to or better than their current conditions. All new roads will be constructed to BLM specifications.
 - A. Exhibit "A" shows the location of the proposed well site as staked.
 - B. From Hope New Mexico take Co. Road 12 (Armstrong road) 15.3 miles South turn Left (West) follow ranch road 1.5 miles thru corral continue West ,4 miles turn Left (South) go .4 miles to location.
 - C. Lay flowlines along road R-O-W to gas sales point as shown on Exhibit "F"
- 2. PLANNED ACCESS ROADS: Approximately 300' 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 roads will be surfaced to the BLM requirements with material obtained from a local source.
 - E. Center line of new road will be flagged.

F. The new road will be constructed to utilize low water crossings where drainage currently exists, and culverts will be installed where necessary.

3. EXHIBIT "A-1" SHOWS THE BELOW LISTED TYPE WELLS WITHIN A 1 MILE RADIUS:

A. Water wells	-	One well approximately 1 mile East of location.
B. Disposal wells	-	None known
C. Drilling wells	-	None known
D. Producing wells	-	As shown on Exhibit "A-1"
E. Abandoned wells	-	As shown on Exhibit "A-1"

KUKUI OPERATING COMPANYHIGHLANDS "25" FEDERAL # 3UNIT "P"SECTION 25T19S-R21EEDDY 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.
- 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.

KUKUI OPERATING COMPANYHIGHLANDS "25" FEDERAL # 3UNIT "P"SECTION 25T19S-R21EEDDY 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.

SURFACE USE FLAN

KUKUI OPERATING COMPANYHIGHLANDS "25" FEDERAL # 3UNIT "P"SECTION 25T19S-R21EEDDY CO. NM

11. OTHER INFORMATION:

- A. Topography consists of rolling limestone hills with an Easterly dip drainage is into Segrest Draw. Vegetation consists of creosote bush, yucca, cholla, acacia, snakeweed and native grasses. Soil is a silty loam in the areas of low relief.
- B. The surface and minerals are owned by The U.S. Department of Interior and is administered by The Bureau of Land Management. The surface of the land is used by ranchers to graze livestock and by oil companies to produce oil and gas.
- C. An archaeological survey will be conducted on the access roads and location then filed in the Bureau of Land Management field office in CArlsbad New Mexico.
- D. An abondoned ranch dwelling is located approximately 1 mile East of location.

12. OPERATORS REPRESENTIVE:

BEFORE CONSTRUCTION:

TIERRA EXPLORATION, INC. P.O. BOX 2188 HOBBS, NEW MEXICO 88241 OFFICE PHONE 505-391-8503 JOE T. JANICA

DURING AND AFTER CONSTRUCTION:

KUKUI OPERATING COMPANY 203 WEST WALL SUITE 810 MIDLAND, TEXAS 79701 OFFICE PHONE 915-687-6200 LARRY STRIDER

13. <u>CERTIFICATION</u>: I hereby certify that I, or persons under my direct supervision have inspected the proposed drill site and access route and that I am familiar with the conditions that currently exist, that the statements made in this plan are to the best of my knowledge are true and correct. The work associated with the operations proposed herein will be performed by KUKUI OPERATING COMPANY, it's contractors/subcontractors is in conformity 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 statement.

NAME	: Joe T. Janica Jor Tour	-
		a
TITLE	: Agent	
DATE	: 04/22/02	

	MIDLAND			1	2 : 24 - 62 F W. Runyon, Tr. Devon SFS 10 - 1: 2004	10 - 1 - 2004 VA-2049 4991
	<u>us.</u>	State	U.S.	State	VA-2049 166 79 DIA 5 21 72 State	Stere U :
Yates Pet, etal 3 · 1 · 2011 105852 80 00	Echo Prod. 3 - 1 - 2011 105853 30 ≌	Nearburg 6 - 1 - 2007 98791 1552	Neorburg 6.1.2007 96791 Tom Brown Drig. 1509 Arryon Ren. 76 1944 04.10-11-61	C.Wilderspin)	Marathon ½ Concho Res. 10 ⋅ i ⋅ 2004 ∨ 5614 11215	Heartland Ener. Yates 12 - 1 131 131 25
	ю	ÉI	12	Sun of 7 *		₩ <u>1,5,7,1</u>
	U.S.			Jare A Frank-St."	- A Stripisc	Tres Amiyos"
		U.Ş.	<u>u.ş.</u>	State SCJT IT	State	State
et.etal - 2002 - 1595 52	The Allor Co 12 1 2003 103571 84 00	The Allar Co 12 · 1 · 1003 103570 78∞	The Ailar Co 12 : 12007 103570 78 월	Tortes Art etal B 1 2009 37.45 1 324 37.45 1 324 	Yafşs Atol 21.45 3 ℃ 3	Yates Pet, etul 4 · 1 · 94 VB·339 1875
3	15	14	13	37.19 31 18 13/00. 37.19 31 18 20:00:00:00:00:00:00:00:00:00:00:00:00:0	Mesa Pert Runyon:Fed. 17 C's it ig	
19	21 us.	U.S.	U.S.	גרוד איז גערד. טער גערד גערד גערד גערד גערד גערד גערד גע	U. S .	Messo Det Hono St TDeore Deile 31 di State
:hutz 2010 621 <u>20</u>	The Allar Co.,etal 12 i (2003 103571 8492	The Allar Co 12 - 1 2003 103570 78**	The Allar Co 12 i 2005 103570 78 ∞	11.47 / Marathan 1/2 Conche Res. 11 - 1 - 2004 V - 5643 57.41 21 - 32.24	Yates Pet _e tai ii - 1 - 33 V8 - 296 i5 63	Yates Pet,etal 11 - 1 - 23 18 295 15 29
	22	23	24	7:73 -1 9	20	21
_:	U.S.	U.Ş.	U S.	51.25 at 2725 State	Yates Pet. Foathills-st. TP8350 Diall-6-87 Slate	Stat•
1 Prod. - 2010 137 1 - 9	Drvon SFS 12 - 2003 103572 78 99	: Deven SFS 12/1 2009 103572 78 ₩	2 The Allor Co 0 12 - 1 2009 035 11 84 55	Daui 1 523	Yates Pet, etal - 12 + 1 + 93 - 48 - 107 - 15 \$2	Yates Pet,etal 10 1 - 93 4 2703 18 <u>73</u>
T	27	26	Hukui Opper O Zs Fred 25 Fred 25 Viet Pet 1.1.1.24	State State State Sorenson	29	
	U.S.	ع.	Nitchell Ener 1 Tress Tress U.S.	(DEKALB) Se Ji J (F. Bowman) I K. I.I.M.I "Bunyon - S+" F.W.Bunyon, Tr.	. State	s Stare
SF5 2010 3 19	Echo Prod. 12 - 1 - 2000 12 - 1 - 2000 105598 226 92 1 1 1 1 1 1 1 1 2 1 2 1 2 1 2 - 1 - 200 1 2 - 1 - 200 1 2 - 1 - 200 1 - 1 - 200 - 1 - 200 - 1 - 200 - 1 - 200 - 1 - 200 - 1 - 205 -	Drvon SFS 12 - 1 - 2009 10 15 72 78 99	Yates Pet.etal (p. love 5 - 1 - 2002 (p. love V - 5072 (p. love V - 5072 (p. love) 26 52 (p. love) (p.		Yates Pet.,etal \$ - 1 - 93 ∨6-202 20 \$\$	Cencho Res. 1/2 Marathan 2.1.2005 V.5706 112 20
	- 34 -	35 BUNTING	36 RANCH	a.u.r. 31 Stak	e _d -32 Yerei - 1 P*i 124	
	u s.	U.Ş.	State	State	V8 342 1 State	State
23 21178 + d	ni 33 47 <u>2242 - 317254 - 17257</u> - 17 5 ⁴ - 6 ⁴ - 94 - 6	1213 #121.25_31235_2121.25 5 6 + + 8	st it fause a	(12) 12003 921+6 3 55 19 µ4 21 M.M.Wilson	18.25 444.15 31.49.25 71.48.25 1 Yorky PetaSolut 52.444 - 1 3- 1	15.35 21.13.37 31.24.35 31.24 Bears O'L angley Front Dat 3 F:
	- + - + + - +	 2		tilden hel-Fed. Toben CAH3-90 Januar Ji 6	5	07312 4
2010 \$ 2	6 2010 104624 155 <u>92</u>	Yates Pet , etai 4 - 1 - 2003 V- 1751 47 <u>8</u> 2	Yates Pet etal *2.13 75 12 103573 13035 9 202 Vates Pet *26.76 17	25.25 a ⁴ U S.	Yates Pet. etgi 9 - 1 - 5004 93458 200 U.S.	Yafes Pet elai 93458 240 US
	<i>U.S.</i>	State	U.S.	33.43 /1 Yates Pet etal 12.1209 19 - 1 - 2004 3146 93458 329 2 200	Ya+25 Pet.etal 9 5:452004 200	Yates Pet stat 93458 289
'ates Pet,etal 12 - 1 - 2003 103574 160 €	Yates Pet, etal 12 2009 16393 16394	Yates Petjetal 12 - 12003 103573 150 ™ .	12:1 2009 103573 ► 1 13055 ► 1	۲ ۱۰ ۱ ۲ ۲ ۱۶۰۶ ۲	8	9
		11	l2 ≻ 5	U.S. F	EXHIBIT "A-1" ONE MILE RADIUS	
 	U.S.	US.	<u> </u>	1323 / Yates Pet KU 9:3:4:52 KU	JKUI OPERATING CC	MPANY
1 Wilson 1 - 1 - 2002 VA 1712 17 19	R K Borr, etal 9 - 1 - 2008 101062 82 55 Vales Per 10105 - 10105 10105 - 10105 1005 - 1005 1005 - 10	Nearburg 1::2009 103516 350 ∰	Nearburg 12 : 1 : 2009 10 35 7 € F 7 350 € 7	HIC تو معناده UNI UNI	GHLANDS "25" FEDE T "P" SEC	CRAL #33 TION 25 CO. NM
1	<u> </u>			L David Wolf	O-KAIE EDDI	







- Wind Direction Indicators (wind sock or streamers)
- △ H2S Monitors (alarms at bell nipple and shale shaker)
- Briefing Areas
- O Remote BOP Closing Unit
- □ Sign and Condition Flags

EXHIBIT "D"
RIG LAY OUT PLAT
KUKUI OPERATING COMPANY
HIGHLANDS "25" FEDERAL # 3
UNIT "P" SECTION 25
T19S-R21E EDDY CO. NM



ARRANGEMENT SRRA

900 Series 3000 PSI WP

EXHIBI SKETCH OF B.O.P		BE US	ED ON
KUKUI OPERA HIGHLANDS "25 UNIT "P" T19S-R21E	FED SE		# 3 25









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

> SXHIBIT "E-1" CHOKE MANIFOLD & CLOSING UNIT KUKUI OPERATING COMPANY HIGHLANDS "25" FEDERAL # 3 UNIT "P" SECTION 25 T19S-R21E EDDY CO. NM

