

CDX Gas, LLC 1801 Broadway, Suite 1060 Denver, Colorado 80202 Tel: 303-298-8211

RECEIVED

JUL 0 6 2004

DIV. OF OIL, GAS & MINING

July 2, 2004

Diana Whitney Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, Utah 84114-5801 Via UPS

RE:

Atchee Canyon Well 25-12-25 #4

NE/4NW/4 Sec. 25-T12S-R25E, S.L.B.&M.

Uintah County, Utah

Dear Ms. Sutton,

Enclosed is a complete set of the APD, plats, surveys, attachments and exhibits for the above referenced well.

The water source for the pending APD for the Federal Atchee Canyon 25-12-25 #4 will be the same as the source for the Federal Atchee Canyon 35-12-25.

Should you have any questions concerning these matters, please do not hesitate to call me at (303) 298-8211 x2888.

Very truly yours,

Laurie Hardy

Land Administrator

/lh

**Enclosures** 

(

001

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

AMENDED REPORT (highlight changes)

	APPLICAT	ON FOR	PERMIT TO	DRILL		5. MINERAL LEASE NO:	Fee Fee
1A. TYPE OF WO	RK: DRILL 🗹 F	EENTER	DEEPEN [			7. IF INDIAN, ALLOTTEE O	R TRIBE NAME:
B. TYPE OF WEL	L: OIL GAS 🗸	THER	SINC	SLE ZONE	MULTIPLE ZON	8. UNIT OF CA AGREEMENT  S. WELL NAME and NUMB	_
2. NAME OF OPE CDX Gas, I		•				Atchee Canyon	25-12-25 #4
3. ADDRESS OF 0			CO ZIP 802	202	PHONE NUMBER: (303) 298-8211	10. FIELD AND POOL, OR Wildcat	WILDCAT:
	WELL (FOOTAGES)		39,			11. QTR/QTR, SECTION, T MERIDIAN:	OWNSHIP, RANGE,
	1150' FNL 2283' FWL	4401581	y -109	.04782		NENW 25 1	2S 25E
AT PROPOSED	PRODUCING ZONE: NE/4NW	4 Sec. 25, T	12S, R25E, S	.L.B.&M.			
14. DISTANCE IN	MILES AND DIRECTION FROM NEAR	EST TOWN OR PO	ST OFFICE:		<del>,</del>	12. COUNTY:	13. STATE: UTAH
	south of Bonanza, Utah					Uintah	
	NEAREST PROPERTY OR LEASE LI	NE (FEET)	16. NUMBER OF	ACRES IN LEA	SE: 320 acres	17. NUMBER OF ACRES ASSIGN	320 acres
1150'	) NEAREST WELL (DRILLING, COMPL	ETED, OR	19. PROPOSED	DEPTH:	JZV acres	20. BOND DESCRIPTION:	
APPLIED FOR	ON THIS LEASE (FEET)		ļ		7,307	B.00903	
	(SHOW WHETHER DF, RT, GR, ETC.	);	22. APPROXIMA	TE DATE WOR	K WILL START:	23. ESTIMATED DURATION:	
6027 GL			7/1/2004	ļ <u></u>		3 weeks	
24.		PROPOS	ED CASING AI	ND CEMEN	ITING PROGRAM		
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIG	HT PER FOOT	SETTING DEPTH		CEMENT TYPE, QU	ANTITY, YIELD, AND SLURRY WEIG	нт
12 1/4	9 5/8 surf. J55	36 lb.	575	Premium	2 w/ cal. chl25	ilb. per sk. $\partial \mathcal{V}$ 1.	41 14.5
7 7/8	5 1/2 prd N80	17 lb.	7,300	Prem. lite	+ 5% sod cl 12.5		25 12.5
						584 J.	49 04
		•					
		·				RECE	IVED
			ATTA	CHMENTS		JUL 0 6	2004
25.		DANOT MET LEVEL				DIV OF OIL OA	0.0.11111111
VERIFY THE FOI	LOWING ARE ATTACHED IN ACCOR	DANCE WITH THE	U FAM OIL AND GAS C		GENERAL ROLES.	DIV. OF OIL, GA	S & MINING
WELL PL	AT OR MAP PREPARED BY LICENSE	D SURVEYOR OR E	NGINEER	✓ ∘	OMPLETE DRILLING PLAN		
Z EVIDENO	CE OF DIVISION OF WATER RIGHTS	APPROVAL FOR US	E OF WATER	☐ F	ORM 5, IF OPERATOR IS PE	ERSON OR COMPANY OTHER THAN	THE LEASE OWNER
		<del></del>					
NAME (O) EACE	PRINT) Alvin (Al) R. Arlian	_		TIT	Land Manage	r, Western Operations	
NAME (FEEFOR	78//		7		6-	2404	
SIGNATURE	Much			DA	TE		
(This space for Str	ite use only)					the second the effects	page of the same
						Approved by the Utah Division of	
API NUMBER AS	SIGNED: 43-647-3	5 8 30	a sta	APPROVA	v: 0	il, Gas and Mining	3
			<del></del>		Dafe:	08-17-04 1	)
(11/2001)			(See instruction	ons on Reverse		Marky	
						1100	

CDX GAS, LLC
WELL LOCATION
ATCHEE CANYON 25-12-25 #4
1150' FNL 2283' FWL
SECTION 25, T12S, R25E, S.L.B.&M.
UINTAH COUNTY, UTAH

### T12S, R25E, S.L.B.&M.

CONTROL DIAGRAM " = 1000'

500 1,000 2,000 Feet Fnd. 3.5" Brass Cap GLO 1921 M.P. 190

> S 0°11'12" W 983.44" (calc.)

N 88°42'37" E 54.05' (calc.)

THIS IS TO CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF KNOWLEDGE AND BELIEF.

DAVID ALEXANDER JOHNSON, PROFESSIONAL LAND SURVEYOR UTAH LICENSE NO. 174617

BASIS OF BEARING

ASTRONOMIC OBSERVATION TAKEN AT MOMUMENT FOUND FOR M.P. 190

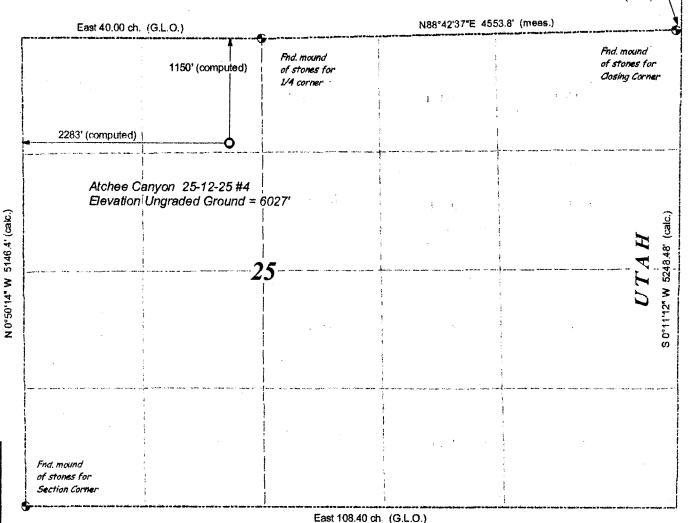
BASIS OF ELEVATION NAVO 88, AS PREDICTED BY GEOID 99

DATE OF SURVEY: JUNE 9, 2004

JMAS JOHNSON MAPPING AND BURVEYING PO BOX 2074 FARMINGTON NM 87499-2174

#05-32\*-3446 alex@johneormapping.bls

PROJID	CDXGAS001
ARC MAP	CDXGA8001 SD.MXD
PREPARED	DAJ & 13:04
REVISEO	
DATA FILES	ATCHFERAW DC. 329816/1 DAT, 32981611 DAT





CDX Gas, LLC 1801 Broadway, Suite 1060 Denver, Colorado 80202 Tel: 303-298-8211

June 21, 2004

Pat Sutton
Bureau of Land Management
170 South 500 East
Vernal, Utah 84078

DE.

Atchee Canyon Well 25-12-25 #4

NE/4NW/4 Sec. 25-T12S-R25E, S.L.B.&M.

Uintah County, Utah

Dear Ms. Sutton,

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Very truly yours,

Laurie Hardy

**Land Administrator** 

/lh

**Enclosures** 

### DRILLING PROGRAM

### Atchee Canyon 25-12-25 #4 Well NENW Sec 25-T12S-R25E Uintah, County, Utah

### 1. Contracts:

### A. <u>Permit Matters</u>

CDX Gas, LLC Al Arlian 1801 Broadway, Suite 1060 Denver, CO 80202

OFFICE:

303-298-8211

HOME:

303-690-7123

CELL:

303-589-6893

### B. Drilling & Completion Matters

CDX Gas, LLC. Ron Johnston

4801 North Butler, Avenue, Suite 2000

Farmington, New Mexico 87401

OFFICE:

505-326-5005, Extension 2801

HOME:

970-348-1664

CELL:

214-208-2731

# Or CDX Gas, LLC

Scott Hutson

4801 North Butler, Avenue, Suite 2000

Farmington, New Mexico 87401

OFFICE:

505-326-5005

CELL:

214-435-2218 214-908-1803

# 2. Mineral and Surface Ownership

# A. Mineral Ownership

Utah Colorado Oil Corporation c/o Brad Ocklund Cramer Oil Company 410 17<sup>th</sup> Street, Suite 1340 Denver, Colorado 80202 Office: 303-573-5582

### B. Surface Ownership

Utah Colorado Oil Corporation c/o Brad Ocklund Cramer Oil Company 410 17<sup>th</sup> Street, Suite 1340 Denver, Colorado 80202 Office: 303-573-5582

## 3. Water Source:

White River
Dalbo, Inc. (Permit T75376)
3 miles south of Bonanza
Evacuation Wash and White River
(No surface water on property)

# 4. Estimated Tops of Important Geologic Markers:

Ground Level Elevation:	6,027'	
KB Elevation (DATUM):	6,039'	
Proposed TD:		7,307
Primary Objective:		Dakota
Formation Tops	Top MD (KB)	Subsea
Quaternary Alluvium	0	6,039'
Wasatch FM	10'	6,029'
Mesa Verde	535'	5,504'
Nelsen Coal Zone	1,650'	4,389'
Upper Sergo Sandstone	2,543'	3,496'
Lower Sergo Sandstone	2,735'	3,304'
Buck Tongue Mancos	2,850'	3,189'
Castlegate	2,998'	3,041'
Mancos Shale (MNCS)	3,253'	2,786'
Mancos B (MNCS)	4,082'	1,957'
Lower Mancos (MNCS)	4,508'	1,531'
Frontier Formation	6,677'	-638'
Mowry Shale	6,779'	-740
Dakota Silt (DKOT)	6,850'	-811

Dakota Formation (DKOTO)	6,946'	-907
Cedar Mountain Fm (CDMN)	7,034'	-995
Buckhorn Conglomerate (CDMN)	7,179'	-1140
Morrison Formation (MRSN)	7,207'	-1168
Brushy Basin Member (MRSN)	7,207'	-1168
Proposed TE	7,307'	-1268'

# 5. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Substance	Formation	Depth	
Gas	N/A	N/A	
Water	N/A	N/A	
Other Mineral Zones	N/A	N/A	

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

# 6. Pressure Control Equipment: (Schematic Attached)

CDX Gas, LLC's minimum specifications for pressure control equipment is as follows:

- A. Ram Type: 11" Hydraulic double with annular, 5,000 psi w.p.
- B. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.
- C. Annular type preventers (if used) shall be tested to 50 percent of rated working pressure. Pressure shall be maintained for at least 10 minutes or until provisions of test are met, whichever is longer.

- D. As a minimum, the above test shall be performed:
  - i. when initially installed;
  - ii. whenever any seal subject to test pressure is broken;
  - iii. following related repairs; and
  - iv. at 30-day intervals
- E. Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.
- F. When testing the kill line valve(s) the check valve shall be held open or the ball removed.
- G. Annular preventers shall be functionally operated at least weekly.
- H. Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.
- I. A BOPE pit level drill shall be conducted weekly for each drilling crew.
- J. Pressure tests shall apply to all related well control equipment.
- K. All of the above described tests and/or drills shall be recorded in the drilling log.
- L. BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.
- M. The size and rating of the BOP stack is shown on the attached diagram. Although a rig has not been chosen to drill this well, most of the equipment for this depth of hole in the area use a 5,000 psi working pressure blowout preventer.
  - ii. A choke line and a kill line are to be properly installed. The kill line is <u>not</u> to be used as a fill-up line.

- iii. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- iv. Drill string safety valve(s), to fit <u>all</u> tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

# 7. Proposed Casing and Cementing Program:

- A. The proposed casing and cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation, which will contain the maximum pressure to which it will be exposed during normal drilling operations. Determination of casing setting depth shall be based on all relevant factors, including; presence/absence of hydrocarbons; fracture gradients; usable water zones; formation pressures; lost circulation zones; other minerals; or other unusual characteristics. All indications of usable water shall be reported.
- B. Casing design shall assume formation pressure gradients of 0.44 to 0.50 psi per foot for exploratory wells (lacking better data).
- C. Casing design shall assume fracture gradients from 0.70 to 1.00 psi per foot for exploratory wells (lacking better data).
- D. Casing collars shall have a minimum clearance of 0.422 inches on all sides in the hole/casing annulus, with recognition that variances can be granted for justified exceptions.
- E. All waiting on cement times shall be adequate to achieve minimum of 500 psi compressive strength at the casing shoe prior to drilling out.
- F. All casing, except the conductor casing, shall be new or reconditioned and tested used casing that meets or exceeds API standards for new casing.
- G. The surface casing shall be cemented back to surface either during the primary cement job or by the remedial cementing.

- H. All indications of usable water shall be reported to the authorized officer prior to running the next string of casing or before plugging orders are requested, whichever occurs first.
- I. Centralizers will be run on the bottom three joints of the surface casing with a minimum of 1 centralizer per joint starting with the shoe joint.
- J. Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable pre-flush fluid, inner string cement method, etc. shall be utilized to help isolate the cement from contamination by the mud fluid being displaced ahead of the cement slurry.
- K. All Casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or 1500 psi, whichever is greater, but not to exceed 70 percent of the minimum internal yield. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.
- L. On all exploratory wells, and on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
- M. The proposed casing program will be as follows:

							or ,
Purpose	<u>Depth</u>	Hole Size	<u>O.D</u>	.Weight	<u>Grade</u>	<u>Type</u>	<u>Used</u>
Surface	0-575'	12-1/4'	9-5/8"	36.0#	J-55	ST&C	New*
Production	7,300'-TD	7-7/8'	5-1/2"	17.0#	N-80	LT&C	New**

- N. Casing design subject to revision based on geologic conditions encountered.
- O. The cement program will be as follows:

Depth	Type and Amount
0 – 575'	*584 sacks Premium 2 (Yield - 2.49) with 3#/sk of
	KOL seal with 3% Potassium Chloride, 1.4#/sk of
	Celloflake, 8% bentonite & 3% Sodium Metasilicate

Depth Type and Amount 475' - 7300 ' \*143 sacks Premium Lite High Strength (Yield - 2.25) with 5% Sodium Chloride, 1/4#/sk Celloflake, 3%

with 5% Sodium Chloride, 1/4#/sk Cellotlake, 3% CD32, 7% F152 + 3#/sk of KOL seal (or sufficient to circulate to surface).

\*Actual volumes to be calculated from caliper log.

- P. Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.
- Q. After cementing but before commencing any test, the casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the driller's log.
- R. Auxiliary equipment to be used is as follows:
  - a. Kelly cock
  - b. Bit float, not deemed necessary.
  - c. A sub with a full opening valve.

# 8. Mud Program:

A. The proposed circulating mediums to be employed in drilling are as follows:

	<u>Interval</u>	Mud Type	Mud Wt.	Visc.	F/L	PH
a.	0-575'	Air/Air Mist	NA	N/A	NA 10.45 DO	NA
b.	575'-7,300'	LSND	8.4- 8.8	638	10-15 PC	9.0

Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control during the course of drilling operations.

A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, static filtration loss, and Ph.

B. Mud monitoring equipment to be used is as follows:

Periodic checks of the mud system will be made each tour. The mud level will be checked visually.

- C. No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.
- D. No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

### 9. **Evaluation Program**:

The anticipated type and amount of testing, logging and coring are as follows:

A. No drill stem tests are anticipated, however, if they are run the following will be adhered to... Initial opening of drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the authorized officer. However, DST's may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e. lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the authorized officer. Closed chamber DST's may be accomplished day or night.

A DST that flows to the surface with evidence of hydrocarbons shall be either reversed out of the testing string under controlled surface conditions. This would involve providing some means for reverse circulation.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

All engines within 100 feet of the wellbore that are required to "run" during the test shall have spark arresters or water cooled exhausts.

- B. The logging program will consist of a DIL-GR from T.D. to base of surface casing with a GR to the surface. A CNL-FDC-GR and FMI will be run from T.D. to 2,000' (minimum run). A DSI-GR will be run from T.D. to base of surface casing.
- C. Cores <u>may</u> be run in from 2,000 to T.D.
- D. The anticipated completion program is as follows:

After evaluation, cores and logs the decision will be made whether to open hole complete or run a slotted liner from the base of the Intermediate Casing String to T.D.

# 10. Abnormal Temperatures or Pressures:

- A. No abnormal temperatures or pressures are anticipated. No H<sub>2</sub>S has been encountered in or known to exist from previous wells drilled to similar depths in the general area.
- B. The maximum anticipated bottom hole pressure will be approximately 900 psi at T.D.

### 11. Anticipated Starting:

A. Drilling will commence upon approval of this application.

# EMPORARY APPLICATION MANAGEMENT WATER WATER WATER

Ramin Roberts.

## STATE OF UTAH

For the purpose of sequiring the right to use a portion of the unapproprieted water of the Same of Units, application is hereby thate to the Same Engineer, besed spon the following showing of faces, submitted in accordance with the requirements of Title 73, Chapter 3, Utah Code Amount 1953, as amended.

MATER RIGHT NUMBER: 49 - 2178

TEMPORARY APPLICATION NUMBER: T75376

(D.S.)

1. OWNERSHIP INFORMATION:

LAND OWNED? NO

A. NAME:

Dalbo Inc.

ADDRESS: P. O. Box 1168

Vernal UT 8407B

B. PRIORITY DATE:

May 6, 2004

FILING DATE: May 6, 2004

2. SOURCE INFORMATION:

A. QUANTITY OF WATER: 10.0 acre feet

B. SCERCE: Evacuation Wash and White River

COUNTY: Utintah

C. POINTS OF DIVERSION SURFACET

(1) N 400 feet N 1.850 feet from EX corner. Section 02, T 105. R 24E. SLBM

Pump into tank trucks divert works:

SOURCE: (2) N 1.700 feet W White River 10 feet from SE corner. Section 02. T 125. R 25E. SLBM

Pumo into tank trucks DIVERT WORKS:

SOURCE:

Evacuation Wash

D. CONMON DESCRIPTION: 3 miles south of Bonanza

3. WATER USE INFORMATION:

OIL EXPLORATION:

from May 15 to May 1 Orilling and completion of pil/gas wells

in South Bonanza area.

Period of Use - May 14, 2004 to May 14, 2005.

4. PLACE OF USE: (which includes all or part of the following legal subdivisions:)

*	1h.f	0440	550		NE NE	ME:	SE SE		NO:	ZIH.	EA.	SE		501 NW	JIH.	SH	SE		MX SX	NE TH-	Sk S	E SE
BASE	TOWN	MAG	250	IN	75	34	<u> </u>	***	1991	100	<del></del>	-	20.0	-								}
65	25	TOAW	12				<u> </u>		<b>-</b>		<del>}</del>	-	A 16 %	-			1	3,354			<u> </u>	
δS	35	104W	01			<u>.                                    </u>		NAN	<u>.                                      </u>		!	٤		┼	<del> </del>	<del>} -</del>	_	3300				
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SI	95	23E	ĪĒ	ti	re	TON	NSF.	iΡ														-

Temporary Appropriation

FEDERAL ATCHEC CANYON #35-12-25

### SIGNATURE OF APPLICANT(S):

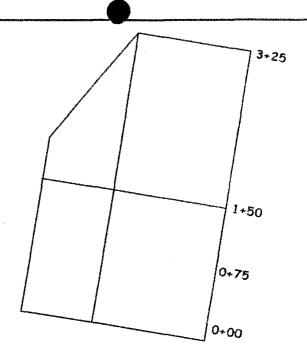
The applicant(s) hereby acknowledge(s) that he/she/they are citizen(s) of the United States of America or intend(s) to become such a citizen(s). The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purposes herein described. The undersigned hereby acknowledges that even though he/ she/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of information contained herein, at the time of filing, rests with the applicant(s).

Signature of Applicant(s)

CDX GAS, LLC
WELL LOCATION
ATCHEE CANYON 25-12-25 #4
1150' FNL 2283' FWL
SECTION 25, T12S, R25E, S.L.B.&M.
UINTAH COUNTY, UTAH

CROSS SECTIONS

WELL BORE UNGRADED = 6025.7 FINISH PAD GRADE = 6025.7



3-25

0-75

JMAS JOHNSON MAPPING AND SURVEYING
PO BOX 2174
FARMINGTON IN 87499-2174

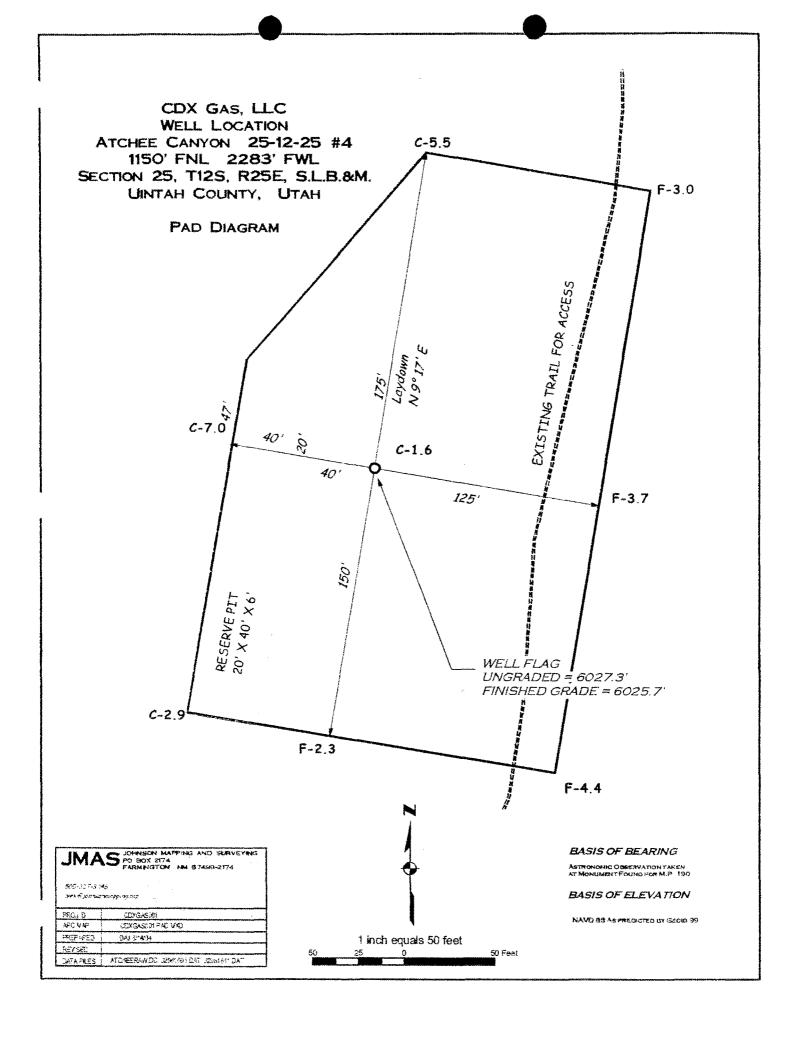
SIGNATURE
SIG

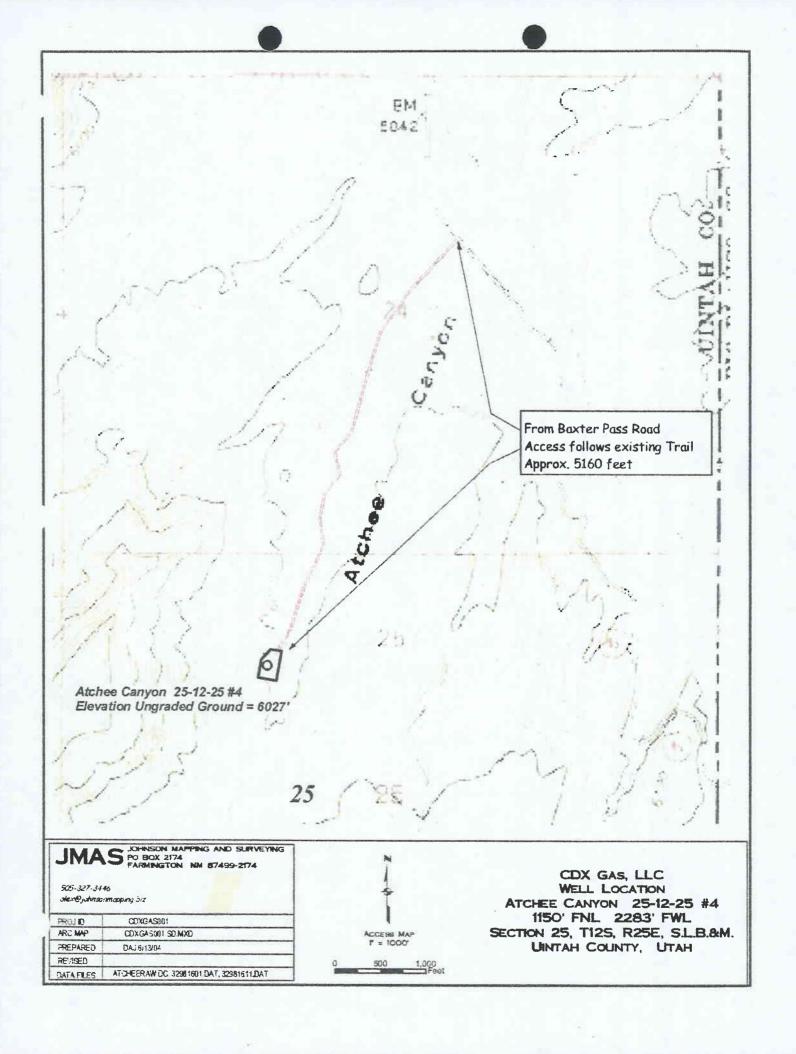
PROJE JONGASON - PRO VAP JONGASON SOLVO
PREPIRED BALLY BYA
REASEL JOHANNA STREET BATTARES ATTORERANDO MERICALDAT SZARIBILDAT

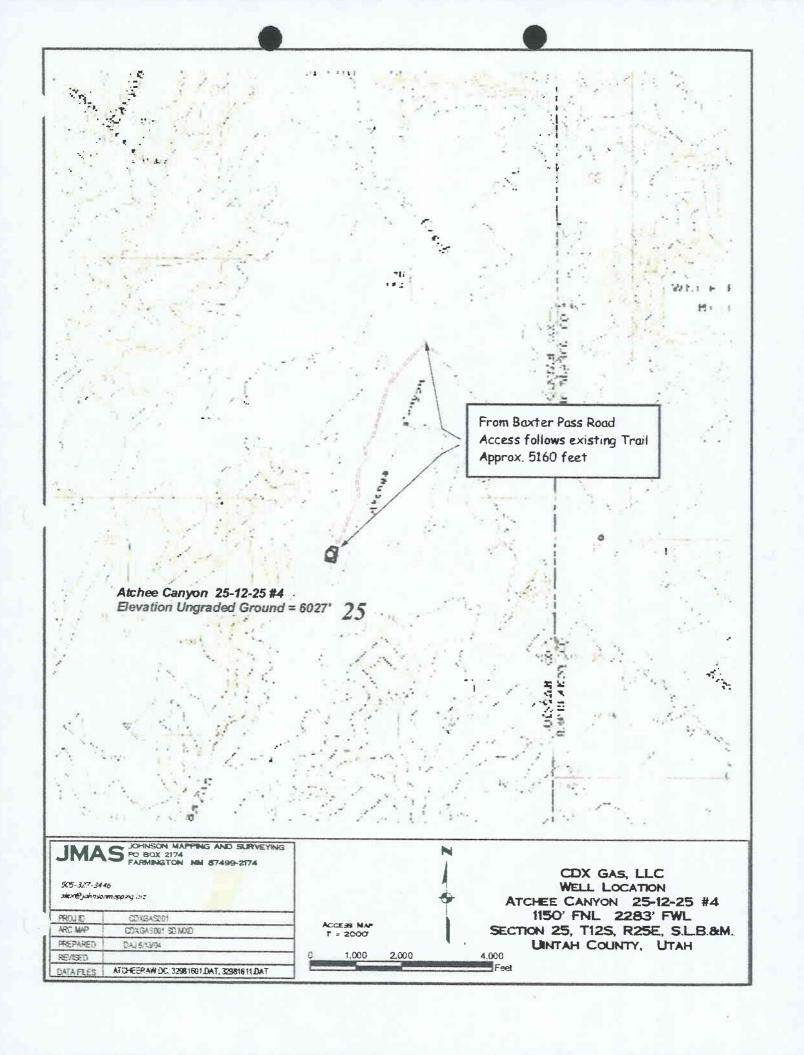
**EXCLUDING PIT EXCAVATION** 

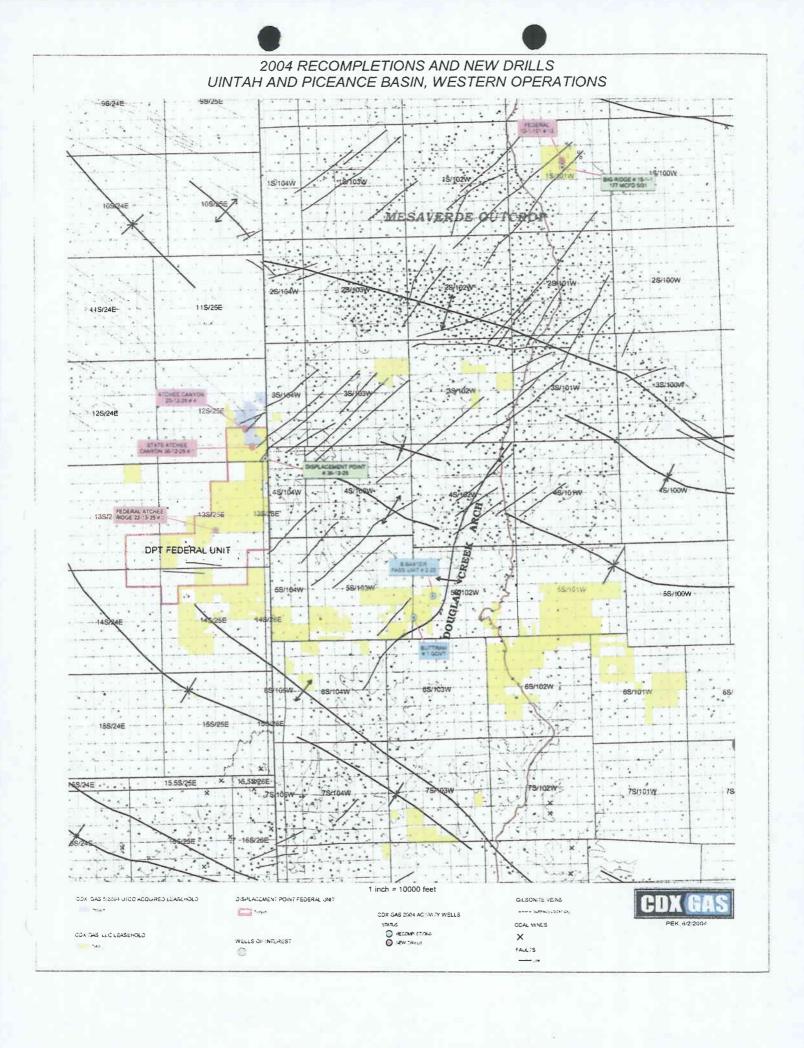
TOTAL CUT = 2346 CU. YDS. TOTAL CUT = 2650 CU. YDS.

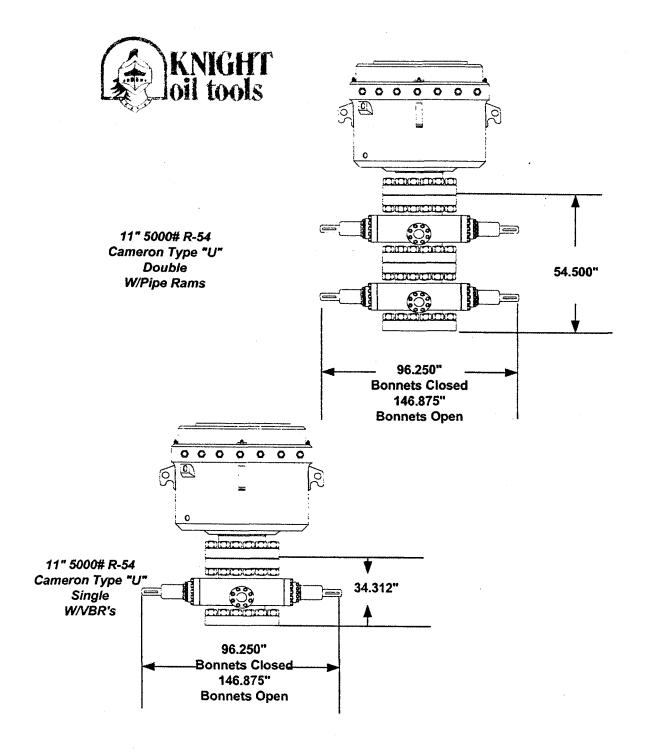
> CROSS SECTIONS 1" = 30"











<u> </u>	APPLICATION FOR I	PERMIT TO DRILL		
APD RECEIVE	D: 07/06/2004	API NO. ASSIGN	ED: 43-047-358	30
OPERATOR:	ATCHEE CYN 25-12-25 #4  CDX GAS, LLC ( N2555 )  AL ARLIAN	PHONE NUMBER: 3	03-298-8211	
NENW	25 120S 250E	INSPECT LOCATN	I BY: /	/
SURFACE:		Tech Review	Initials	Date
UINTAH		Engineering	DKO	8/13/04
WILDCAT	( 1 )	Geology		
LEASE TYPE:	4 - Fee R: FEE	Surface	·	
PROPOSED FO	ER: 4 - Fee RMATION: MRSN HANE WELL? NO	LATITUDE: 39.7 LONGITUDE: 109.	4996 06782	
Plat Bond: (No. Potas: Noil S Water (No. No. Phate (No. No.	Fed[] Ind[] Sta[] Fee[4]    1500903	Drilling Uni  Board Cause Eff Date: Siting:	F POINT  Seneral  rom Qtr/Qtr & 920'  Exception  it	
COMMENTS:	Muss Preside	(07-29-04)		
STIPULATION	s: 1- Spacing Stip	The Room		

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# **United States Department of the Interior**

### BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

July 8, 2004

Memorandum

To:

Assistant District Manager Minerals, Vernal District

From:

Michael Coulthard, Petroleum Engineer

Subject:

2004 Plan of Development Displacement Point

Unit, Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2004 within the Displacement Point Unit, Uintah County, Utah.

API#

WELL NAME

LOCATION

(Proposed PZ Morrison)

43-047-35830 Atchee Canyon 25-12-25 #4 Sec 25 T12S R25E 1150 FNL 2283 FWL

This office has no objection to permitting the well at this time, however, it will not serve as a unit obligation well.



CDX Gas, LLC - CDX Rockies, LLC 1801 Broadway, Suite 1060 Denver, Colorado 80202 Tel: 303-298-8211 Fax: 303-299-1134

July 9, 2004

Diana Whitney Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801

RE: State of Utah Surety Bond No. B00903 CDX Gas, LLC and CDX Rockies, LLC

Dear Ms. Whitney,

Enclosed please find a copy of State of Utah Surety Bond No. B000903 covering CDX Gas, LLC and CDX Rockies, LLC as Principal.

Should you have any questions concerning these matters, please do not hesitate to call me at (303) 298-8211 x2884.

Very truly yours,

CDX Gas, LLC CDX Rockies, LLC

Laurie Hardy

Land Administrator

cc: State of Utah

**Trust Lands Administration** 

Bond No. <u><b>8000903</b></u>
--------------------------------

# Important Notice Regarding Terrorism Risk Insurance Act of 2002

In accordance with the Terrorism Risk Insurance Act of 2002 (the "Act"), this disclosure notice is provided for surety bonds on which U.S. Specialty Insurance Company is the issuing surety.

The premium attributable to any bond coverage for "acts of terrorism" as defined in Section 102(1) of the Act is Zero Dollars (\$0.00).

The United States will reimburse the Issuing Sureties for ninety percent (90%) of any covered losses from terrorist acts certified under the Act exceeding the applicable surety deductible.

The actual coverage provided by your bond for acts of terrorism, as is true for all coverages, is limited by the terms, conditions, exclusions, penalties, limits, other provisions of your bond and the underlying contract, any endorsements to the bond and generally applicable rules of law. This Important Notice Regarding Terrorism Insurance Risk Act of 2002 is for informational purposes only and does not create coverage nor become a part or condition of the attached document.

The rest of this page is intentionally left blank.

#### POWER OF ATTORNEY

(To be used with bonds issued on behalf of U. S. SPECIALTY INSURANCE COMPANY)

Know All Men by These Presents That, U. S. SPECIALTY INSURANCE COMPANY (the "Company"), a corporation duly organized and existing under the laws of the State of Texas, and having its principal office in Houston, Harris County, Texas, does by these presents make, constitute and appoint

#### Edwin H. Frank III, W. Russell Brown, Jr.

its true and lawful Attorney-in-fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver any and all bonds, recognizances, undertakings or other instruments or contracts of suretyship to include riders, amendments, and consents of surety, providing the bond penalty does not exceed Three Million Dollars (\$3,000,000) and to bind the Company thereby as fully and to the same extent as if such bonds were signed by the President, sealed with the corporate seal of the Company and duly attested by its Secretary, hereby ratifying and confirming that the said Attorney-in-Fact may do in the premises. Said appointment is made under and by authority of the following resolutions of the Board of Directors of the U. S. Specialty Insurance Company:

Be it Resolved, that the President, any Vice-President, any Assistant Vice-President, any Secretary or any Assistant Secretary shall be and is hereby vested with full power and authority to appoint any one or more suitable persons as Attorney(s)-in-Fact to represent and act for and on behalf of the Company subject to the following provisions:

Astorney-in-Fact may be given full power and authority for and in the name of and of behalf of the Company, to execute, acknowledge and deliver, any and all bonds, recognizances, contracts, agreements or indemnity and other conditional or obligatory undertakings and any and all notices and documents canceling or terminating the Company's liability thereunder, and any such instruments so executed by any such Attorney-in-Fact shall be binding upon the Company as if signed by the President and sealed and effected by the Corporate Secretary.

Be it Resolved, that the signature of any authorized officer and seal of the Company heretofore or hereafter affixed to any power of attorney or any certificate relating thereto by facsimile, and any power of attorney or certificate bearing facsimile signature or facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached. (Adopted by unanimous written consent in lieu of meeting on July 7, 2003.)

In Witness Whiteof, U. S. SPECIALTY INSURANCE COMPANY has caused these presents to be signed by its President, and its corporate seal to be hereto affixed this 6th day of April, 2004.

State of Texas

County of Harris ss:

Michael J. Schell, President

On this 6th day of April, 2004 before me personally came Michael J. Schell, to me known, who, being by me duly sworn, did depose and say, that he resides in Houston, Texas, that he is President of U. S. SPECIALTY INSURANCE COMPANY, the company described in and which executed the above instrument; that he knows the seal of said Company; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said Company; and that he signed his name thereto by like order.

SHERRI GIBSON
MY1:OMMISSION EXPIRES
October 17, 2005

I, Christopher I. Martin, Secretary of U. S. SPECIALTY INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by said Company, which is still in full force and effect; furthermore, the resolutions of the Board of Directors, set out in the Power of Attorney are in full force and effect.

In Witness Whereof, I have hereunto set my hand and affixed the seal of said Company at Houston, Texas this \_\_\_\_\_\_ day of \_\_\_\_\_\_\_, 20 04.

Corporate Seal

Corporate Seai

Christopher L. Martin, Secretary

My commission expires 10-17-05

U. S. SPECIALTY INSURANCE COMPANY

FORM 4A

# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Bond No.	000903		DEFA	ON OF OIL, GAS A	ND MI	NING		
				SURETY BON	D			
KNOW ALL	. MEN BY THE	SE PRESENTS:			•			
That we (c p	erator name)	CDX Gas, LLC and	d CD	K Rockies, LLC				as Principal,
(surety nam and qualifie	e) U.S. Spec d to do busines	cialty Insurance Cost in the State of Utah.	ompa are he	ny eld and firmly bound unto	the Sta	e of Utah in the sum	as S	Surety, duly authorized
One Hur	dred and Ty	wenty Thousand a	ınd no	v/100***********************************	*****	********** dellare	e \$120 i	000.00
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	Blanket Bon	id: To cover al	l wells	drilled in the State of Uta	h			
	Individual Be	ond: Well No:						
				Township:		lange:		•
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Corporate .c	v Notary Seal h	loco)	]	CDX Gas, LLC				<b>\</b>
4			Ì		Pri	ncipal (company nam	e)	
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Corporate or	r Notary Seal h	ėra)	Ву	W. Russell Brown, Name (print)	<b>3</b> 2	Atjorney-in	-Fact	
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	· U	•		Houston		Texas	5	77040
2002)				City		State		2ip



Box 147, 322 East 100 South, Moab, Utah 84532 (435) 259-5764 Fax (435) 259-5608

June 28, 2004

Al Arlian CDX Gas, LLC 1801 Broadway, Suite 1060 Denver, CO 80202

JUL 1 2 2004 DIV OF OIL, GAS & MINING

Dear Mr. Arlian:

Enclosed please find copies of the reports entitled "Cultural Resource Inventory of CDX Gas's Proposed Well Location: Atchee Canyon #25-12-25-4, Uintah County, Utah." and "Cultural Resource Inventory of CDX Gas's Proposed Well Location: State Atchee Canyon #36-12-25-1, Uintah County, Utah." Four copies are for your records and the last copy of the report on state well #36-12-25-1 is to be forwarded to the Division of Oil, Gas and Mining per SITLA. Both inventories resulted in no findings of cultural resources; hence, archaeological clearance is recommended for this undertaking.

One billing is included for both of these reports. We appreciate the opportunity to provide consulting services for this project. If you have any questions or comments, please contact me.

Sincerely,

Keith R. Montgomery

Principle Investigator

cc:

James Dykmann, SHPO

With Montgomer

Kenny Wintch, SITLA Archaeologist, SLC

### CULTURAL RESOURCE INVENTORY OF CDX ROCKIES' PROPOSED WELL LOCATION: STATE ATCHEE CANYON #36-12-25-1 (LEASE NO. 46453), UINTAH COUNTY, UTAH

Keith R. Montgomery and Andy Wakefield

### CULTURAL RESOURCE INVENTORY OF CDX ROCKIES' PROPOSED WELL LOCATION: STATE ATCHEE CANYON #36-12-25-1 (LEASE NO. 46453), UINTAH COUNTY, UTAH

By:

Keith R. Montgomery and Andy Wakefield

Prepared For:
State of Utah
Trust Lands Administration
Salt Lake City

Prepared Under Contract With: CDX Gas, LLD 1801 Broadway, Suite 1060 Denver, CO 80202

Prepared By:

Montgomery Archaeological Consultants P.O. Box 147 Moab, Utah 84532

June 28, 2004

MOAC Report #04-149

United States Department of Interior (FLPMA)
Permit No. 04-UT-60122

State of Utah Antiquities Project (Survey) Permit No. U-04-MQ-0511s,p

### INTRODUCTION

ŧ,

A cultural resource inventory was conducted by Montgomery Archaeological Consultants (MOAC) in June, 2004 for CDX Rockies' proposed well location State Atchee Canyon #36-12-25-1 and its associated access route in the Atchee Canyon area, south of Vernal, Uintah County, Utah. The legal description of the inventory area is Township 12 South, Range 25 East, Sections 25 and 36 (Figure 1). The project occurs on land administered by the State of Utah School Institutional Trust Lands Administration (SITLA) and private land.

The objective of the inventory was to locate, document, and evaluate any cultural resources within the project area in order to comply with Section 106 of 36 CFR 800, the National Historic Preservation Act of 1966 (as amended), the National Environmental and Policy Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979, the American Indian Religious Freedom Act of 1978, and the Utah State Antiquities Act of 1973 (amended 1990).

The fieldwork was performed on June 9, 2004 by Keith R. Montgomery (Principal Investigator, MOAC) and Jacki Montgomery under the auspices of U.S.D.I. (FLPMA) Permit No. 04-UT-60122 and State of Utah Antiquities Project (Survey) No. U-04-MQ-0511s,p.

A file search for previous archaeological projects and documented cultural resources was completed by Marty Thomas at the Utah Division of State History Preservation Office on June 7, 2004. This consultation indicated that two cultural resource inventories have been completed in the project area. Grand River Institute conducted an inventory in 1995 for Amoco Production's single well location and access: State Line #52-36-12-25 (Conner 1995). A total of 28.6 acres was surveyed (11.0 acres in Utah) and no isolated finds or artifacts were documented in the Utah portion of the project area, although two isolated finds were documented on BLM managed land in the state of Colorado. These consisted of a single core reduction area consisting of 5 Shavetail chert flakes (5RB3755) and a concentration of 5 flakes, one of which is utilized (5RB3756). Also, Montgomery Archaeological Consultants conducted a cultural resource inventory for CDX Rockies' three well locations: Atchee Canyon #35-12-25, Atchee Ridge #21-13-25, and Atchee Ridge #22-13-25 (Montgomery 2001). A total of 50.3 acres was inventoried on BLM administered, which resulted in the finding of no cultural resources.

### DESCRIPTION OF PROJECT AREA

The proposed project area is located approximately 50 miles southeast of the town of Vernal, Uintah County, Utah. Specifically, the proposed well locations and access routes lie in Atchee Canyon. Proposed State Atchee Canyon well #36-12-25-1 is situated in the northwest quarter of Section 36, Township 12 South, Range 25 East. Approximately 20.9 acres were inventoried: 10.7 acres occur on state land, and 10.2 acres occur on private land.

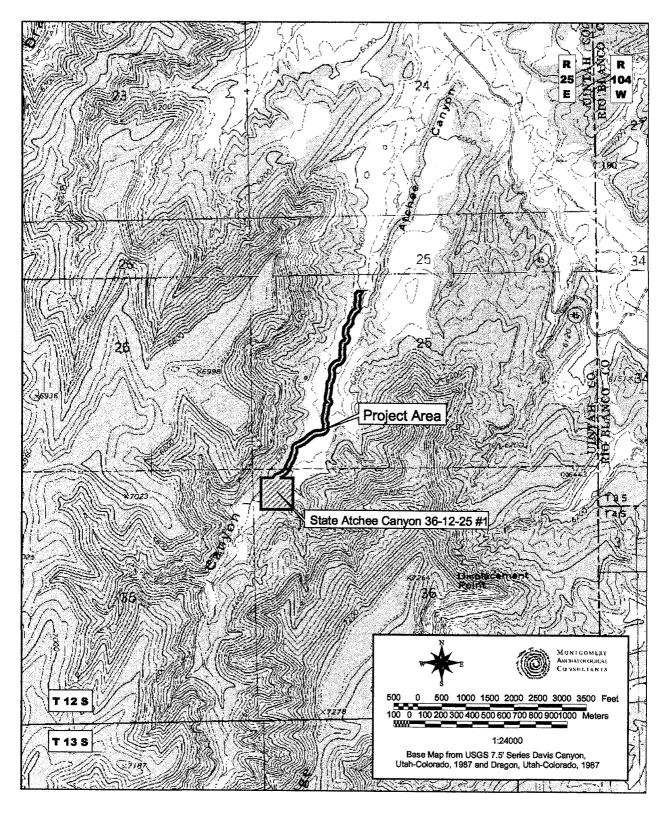


Figure 1. Inventory Area of CDX Rockies' State Atchee Canyon #36-12-25-1 well locations and access routes. USGS 7.5' Davis Canyon, Utah-Colo., 1987. Scale 1:24000.

The study area lies within the Uinta Basin physiographic unit, a distinctly bowlshaped geologic structure (Stokes 1986:231). The Uinta Basin ecosystem is within the Green River drainage, considered to be the northernmost extension of the Colorado Plateau. Topographically, this area consists of broad erosional benches and bluffs of sandstone and mudstone formations, highly dissected by numerous intermittent drainages. The geology is comprised of Tertiary age deposits which include the Green River and Uinta Formations. The Green River Formation contains claystone, sandstone, and carbonate beds. In the western portion of the Uinta Basin, the Uinta Formation consists of sandstone, shale, siltstone, conglomerate, and minor amounts of limestone. In the eastern portion, this formation contains higher amounts of limy siltstone (Ibid:155). Proposed well location State Atchee Canyon #36-12-25-1 occurs along a wash bottom of Atchee Canyon, at an elevation ranging between 5860 and 6200 feet. Vegetation consists of greasewood and sagebrush in the wash bottom, and along the benches is a pinyon-juniper woodland with snakeweed, prickly pear cactus, and grasses present. The entire inventory area for these well locations has been disturbed by extensive colluvial erosion. Modern disturbances include a two-track road, grazing, and wood-cutting.

### SURVEY METHODOLOGY

An intensive pedestrian survey was performed for this project which is considered 100% coverage. At the well location, a 10 acre square was defined, centered on the well pad center stake. The interior of the well locations were inspected by the archaeologist walking parallel transects spaced no more than 10 m (30 ft) apart. The proposed access route corridors were surveyed to a 100 ft (30 m) width by the archaeologists walking parallel transects along the staked centerline, spaced no more than 10 m apart. Ground visibility was considered to be good. Approximately 20.9 acres were inventoried: 10.7 acres occur on state land, and 10.2 acres occur on private land.

### INVENTORY RESULTS AND RECOMMENDATIONS

The inventory of CDX Rockies' proposed State Atchee Canyon #36-12-25-1 well and its associated access route in Atchee Canyon resulted in the finding of no cultural resources. The potential for subsurface cultural materials is minimal. Based on the finding, archaeological clearance is recommended for this undertaking.

### REFERENCES CITED

Conner, C.

1995

Cultural Resource Inventory Report on the Proposed State Line #52-36-12-25 Well Location and Related Access in Uintah County, Utah, and Rio Blanco County, Colorado for AMOCO Production Company, GRI Project No. 9540. Grand River Institute, Grand Junction, CO. U-94-GB-259s. Report on file at the Utah Division of State History Preservation Office.

Montgomery, K.R.

2001

Cultural Resource Inventory of CDX Rockies' Proposed Well Locations: Atchee Canyon #35-12-25, Atchee Ridge #21-13-25, and Atchee Ridge #22-13-25, Uintah County, Utah. Montgomery Archaeological Consultants, Moab, UT. U-01-MQ-0560b. Report on file at the Bureau of Land Management Vernal Field Office.

Stokes, W. L.

1986

Geology of Utah. Utah Museum of Natural History and Utah Geological and Mineral Survey, Salt Lake City.

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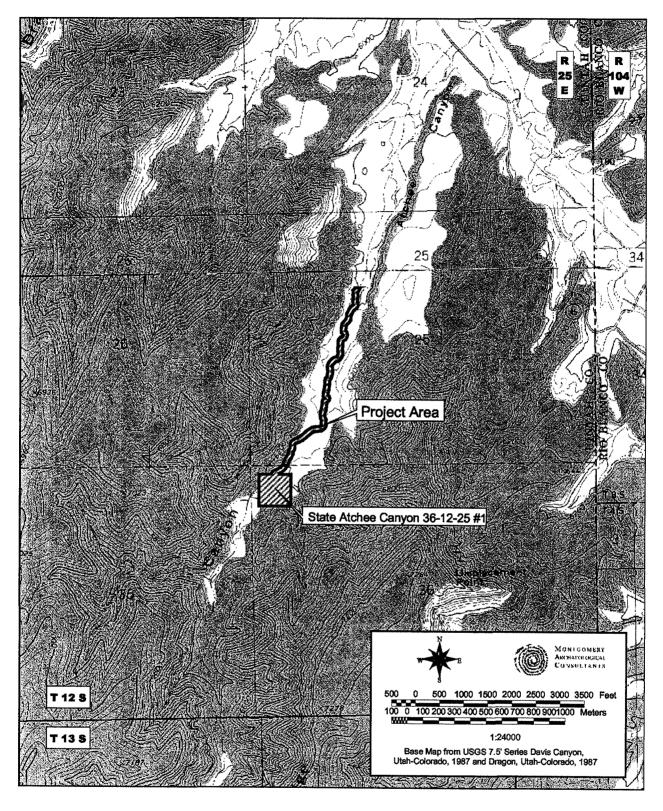


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#### SURVEY METHODOLOGY

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The inventory of CDX Rockies' proposed State Atchee Canyon #36-12-25-1 well and its associated access route in Atchee Canyon resulted in the finding of no cultural resources. The potential for subsurface cultural materials is minimal. Based on the finding, archaeological clearance is recommended for this undertaking.

#### REFERENCES CITED

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1995

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Montgomery, K.R.

2001

Cultural Resource Inventory of CDX Rockies' Proposed Well Locations: Atchee Canyon #35-12-25, Atchee Ridge #21-13-25, and Atchee Ridge #22-13-25, Uintah County, Utah. Montgomery Archaeological Consultants, Moab, UT. U-01-MQ-0560b. Report on file at the Bureau of Land Management Vernal Field Office.

Stokes, W. L.

1986

Geology of Utah. Utah Museum of Natural History and Utah Geological and Mineral Survey, Salt Lake City.



CDX Gas, LLC - CDX Rockies, LLC 1801 Broadway, Suite 1060 Denver, Colorado 80202

Tel: 303-298-8211 Fax: 303-299-1134

July 9, 2004

Diana Whitney Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801

RE: Exception Location - R649-3-3

Atchee Canyon Well 25-12-25 #4

NE/4NW/4 Sec. 25-T12S-R25E, S.L.B.&M.

1150' FNL, 2283' FWL Uintah County, Utah

Dear Ms. Whitney,

CDX Gas, LLC has staked the above-referenced well at an exception location:

- 1. Because a standard location would be located on or adjacent to the canyon walls and would cause major cuts/fills to build a well pad, and
- 2. To avoid drilling in the side canyon drainage areas which drain into the main canyon.

CDX Gas, LLC and CDX Rockies, LLC own all the leasehold interest in all direction within 800 feet of the above referenced well. All of the oil and gas mineral rights are leased.

CDX Gas, LLC and CDX Rockies, LLC hereby grant permission to the proposed well location.

Should you have any questions concerning these matters, please do not hesitate to call me at (303) 298-8211 x2884.

Very truly yours,

CDX Gas, LLC

Alvin R. (Al) Arlian

Land Manager – Western Operations

RECEIVED

JUL 1 4 2004

CC:

State of Utah

**Trust Lands Administration** 



CDX Gas, LLC CDX Rockies, LLC 1801 Broadway, Suite 1060 Denver, Colorado 80202

Tel: 303-298-8211 Fax: 303-298-1134

July 26, 2004

**VIA UPS** 

Diana Whitney Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801 RECEIVED
JUL 27 2004

DIV. OF OIL, GAS & MINING

RE:

CDX Rockies, LLC - State Atchee Canyon 36-12-25 #1 Well

NW/4NW/4 Sec. 36-T12S-R25E, S.L.B.&M.

CDX Gas, LLC - Atchee Canyon 25-12-25 #4 Well

NE/4NW/4 Sec. 25-T12S-R25E, S.L.B.&M.

Uintah County, Utah

Dear Ms. Whitney,

Enclosed is a copy of a Road Access Agreement between Utah-Colorado Oil Corporation and CDX Gas, LLC and CDX Rockies, LLC to access the two above-referenced wells.

Also enclosed is a Surface Operations Agreement between Utah-Colorado Oil Corporation and CDX Gas, LLC for the Atchee Canyon 25-12-25 #4 Well

Thank you for your assistance in this matter.

Very truly yours,

CDX GAS, LLC CDX ROCKIES, LLC

Alvin R. (Al) Arlian

Land Manager Western Operations

ara/

#### SURFACE OPERATIONS AGREEMENT

The undersigned, whose address is 3872 Village Rim road, Park City, Utah 84098 (hereinafter referred to as "Grantor"), for and in consideration of the sum of Ten Dollars (\$10.00) and other valuable consideration paid by CDX GAS, LLC, whose address is 5485 Belt Line Road, Suite 190, Dallas, TX 75254 (hereinafter referred to as "Grantee"), the receipt, adequacy and sufficiency of which are hereby acknowledged, does hereby release and discharge Grantee, its successors and assigns, of and from any and all liability to Grantor for any and all claims which Grantor has previously or shall at any time hereinafter sustain, directly or indirectly, in any way by reason of any and all prior or future operations connected with the construction of a surface wellsite location and/or maintenance of the proposed well and all other related activities of every nature, except to the extent the same is attributable to the gross negligence or willful misconduct of the Operator.

It is agreed that this release relates only to damages on the specified location. Damages to surface outside this well pad location will be subject to additional damage assessment and payment to surface owner.

The well location is for the well described as follows:

WELL NAME:

Atchee Canyon 25-12-15 No. 4 Well

LOCATION:

1,150' FNL & 2,283' FWL of Section 25-T12S-R25E Uintah County, Utah

This agreement is subject to the terms of that certain Road Access Agreement dated <u>July 15, 2004</u> between Utah-Oil Corporation and CDX Rockies, LLC and CDX Gas, LLC.

Grantee hereby agrees to indemnify and hold harmless Grantor for any and all claims, demands, causes of action and judgments brought by third parties for personal injury and/or property damages resulting from Grantee's operations on the lands.

CDX GAS, LLC

**UTAH-COLORADO OIL CORPORATION** 

Alvin R. Arlian

Land Manager-Western Operations

By: Tanis Doering

## **ROAD ACCESS AGREEMENT**

THIS AGREEMENT is made and entered into as of the 15th day of July, 2004, by and between UTAH-COLORADO OIL CORPORATION, hereinafter referred to as "UT-CO", and CDX ROCKIES, LLC and CDX GAS, LLC, hereinafter collectively referred to as ("CDX").

#### WITNESSETH:

WHEREAS, UT-CO is in the business of ranching and leasing land for hunting and is the owner of surface rights and various mineral rights on property in the area of Atchee Canyon, Uintah County, Utah;

WHEREAS, CDX is the lessee and/or successor in interest to certain other lessees of certain Federal, Fee, and State Trust Land Oil and Gas Lease(s) in the same area near Atchee Canyon where UT-CO ranches and hunts; and

WHEREAS, the parties desire to enter into an agreement to provide for numerous matters which will allow the parties each to conduct their business with minimal interference one with the other.

NOW, THEREFORE, in consideration of the premises and of the covenants herein contained, it is mutally agreed as follows:

- 1. <u>Drilling Well(s)</u>. CDX has acquired ownership of Federal, Fee, and State
  Trust Land Oil and Gas Leases in Township 12 and 13 South, Range 25
  East, Uintah County, Utah. CDX plans to drill well(s) commencing in the fall
  of 2004 that will be accessed crossing land owned by UT-CO
- 2. <u>UT-CO Fee Lands Area</u>. The area outlined on Exhibit "A" shall be an area which is subject to this Agreement, hereinafter the "UT-CO Land Area." The access road ("Access Road"), that CDX desires to upgrade and construct across UT-Land is described in Exhibit "A," starting at the approximate point marked "A", and crosses UT-CO Land Area exiting the UT-CO Land Area at the approximate point marked "B".
- 3. <u>Ingress and Egress</u>. Subject to the access rights and regulations of the Bureau of Land Management and Utah School & Institutional Trust Lands Administration, IF ANY, UT-CO hereby grants to CDX the right of ingress and

egress over and across the UT-CO Land Area using the present and existing road, a new road to be constructed in and using the canyon wash bottom, for the purpose of drilling the State Atchee Canyon 36-12-25 No. 1 Well and for, developing and producing oil and gas pursuant to other CDX's Leases.

### 4. <u>Limitation of Use</u>.

- A. This right of ingress and egress is for surface transportation only and is not to be construed to give any right for a pipeline.
- B. This right of ingress and egress is for access for oil and gas operations only.
- 5. Payments. Annual Access Payments. Commencing on the date of this agreement (the "Anniversary Date"), CDX shall pay the sum of Two Thousand Five Hundred and no/100ths (\$2,500.00) to UT-CO, as the first year annual access payment ("Access Payment") for CDX's oil and gas operations. Said Access Payment shall apply to a total of four drilled/drilling, producing, and/or shut-in wells, and/or temporary abandoned wells. Each additional drilled/drilling, producing well, and/or shut-in well, and/or temporary abandoned well in excess of four wells shall require an annual payment ("Additional Access Payment") of Five Hundred and no 100ths (\$500.00) for each additional well. Thereafter, on or before the Anniversary Date of each year CDX shall pay UT-CO for the first four wells the sum of Two Thousand Five Hundred dollars and no/100ths (\$2,500) as Access Payment, plus an Additional Access Payment of Five Hundred dollars and no/100ths (\$500) for each additional drilled/drilling producing well, and/or shut-in well, and/or temporary abandoned well in excess of the first four wells accessed by the Access Road. Said access payments and annual access payments shall apply:
  - A. To all wells until said well(s) are plugged and abandoned, and access is no longer needed to that well(s), and
  - B. As long as CDX is using said Access Road to access and conduct oil and gas operations.

- 6. Gates. In the event gates are installed by either party hereto, said gates shall be locked at all times. CDX shall either place its own lock upon the gate (so that both UT-CO and CDX would have locks upon such gate), or UT-CO shall provide a key or the combination to its lock upon such gate to CDX. CDX will use all reasonable efforts to keep any installed gates closed and locked.
- 7. <u>Use of the Access Roadway</u>. Use of the Access Road across the UT-CO Land Area shall be non-exclusive, UT-CO reserving the right to use such Access Road and to grant additional, successive use of such Access Road not incompatible with the rights of CDX. CDX is and has been advised and understands that UT-CO has granted and may grant additional agreements to other parties to use the roadway across the UT-CO Land Area.
- 8. <u>Specifications</u>. The following specifications shall apply within the UT-CO Land Area:
  - A. CDX shall be restricted to a 30' width of access (20' road surface width) across the UT-CO Land Area.
  - B. <u>Gates and Fences</u>. In conjunction with its operations, CDX shall immediately repair damage to any fence(s) and gate(s) caused by its employees or independent contractors.
  - C. Except for that portion of the Access Road located in the canyon wash bottom, the Access Road shall be maintained with crowns in the center to facilitate drainage and water bars shall be used to direct water across the road before it washes out and before the side ditches to such road become unnecessarily deep. CDX's repair and maintenance of the road shall be prompt and of a quality and quantity to insure safe travel by four-wheel drive vehicles and upon its termination of use of said road to insure the road be left in good condition.
  - D. Maintenance of Road. Extraordinary damage caused to the road by activities of CDX shall be repaired by CDX promptly, at its expense. The costs of ordinary maintenance of road shall be that of CDX. UT-CO having no maintenance obligation. Any third party user except the owners and employees of UT-CO and hunting parties guided by UT-CO, shall

contribute to the maintenance of such road in the proportion of such third party's use to the use being made by CDX and any other contributing third party. It is recognized that if any well is completed as a producing well or shut-in well, that the road will receive considerably more traffic. CDX shall be mindful of such fact and, while under no obligation to do so, shall give consideration to graveling portions of the road.

- Livestock. CDX shall compensate UT-CO (or the owner if other than UT-CO) for injury or death to any livestock caused by its employees or independent contractors.
- 10. Restrictions on Use. CDX being particularly mindful of the periods April 1 through September 1 of each year the use of the road by its personnel, successors, assigns and contractors on the UT-CO Land Area, shall be subject to the following restrictions:
  - A. CDX shall not leave the roadway to enter upon any surface estate owned or used by UT-CO (unless authorized by other agreement);
  - B. CDX shall not allow any unauthorized personnel to enter upon any surface estate owned or used by UT-CO, in particular being mindful that friends, family and acquaintances of CDX's personnel, and its Contractors personnel, are not authorized personnel. Salesmen, sightseers, and other persons not working for CDX or its contractors are not authorized personnel;
  - C. CDX's personnel and its contractors' personnel shall not consume any alcoholic beverages of any kind on the roadway through the surface estate of or any property owned or used by UT-CO'
  - D. CDX's personnel and its contractors' personnel shall not permit any litter to accumulate or remain on the roadway on any property owned or used by UT-CO;
  - E. CDX's personnel and its contractors' personnel shall not hunt for wild game of any type or chase wild game with dogs on any property owned or used by UT-CO.

- F. CDX's personnel and its contractors' personnel shall not fish on any property owned or used by UT-CO; and
- G. CDX's personnel and its contractors' personnel shall not carry any firearms of any kind, except and may be reasonably required to provide security for their equipment and facilities on any property owned or used by UT-CO.
- 11. <u>CDX's Enforcement of this Agreement</u>. CDX shall provide its employees and independent contractors with a copy of this Agreement and, in order to insure compliance with its terms, shall take the following action:
  - A. When possible, CDX shall have one of its employees who is familiar with this Agreement and the UT-CO Land Area physically accompany employees of CDX or contractors of CDX who are unfamiliar with this Agreement;
  - B. If an employee of a contractor for CDX violates the terms of this Agreement, CDX shall request the contractor to either discharge the employee or prohibit the employee from entering upon the UT-CO Land Area or using the Access Road that crosses the UT-CO Land Area;
  - C. If an employee of CDX violates the terms of this Agreement, CDX will issue a written reprimand to the offending employee and if such activity does not immediately cease, discharge such employee or move such employee to other work of CDX on operations of CDX which are not subject to this Agreement.
- 12. No Interference by UT-CO. UT-CO shall not interfere with or obstruct the operations of CDX under this Agreement in any manner, nor shall it allow any agents, employees or other persons under its supervision and control to interfere with or otherwise obstruct CDX's operations under this Agreement.
- 13. <u>Pipelines.</u> In the event CDX elects to construct a gas pipeline in the access roadway, prior to commencing construction, CDX shall pay UT-CO as surface damages the amount of One dollar per linear foot (\$1.00/foot). Said pipeline shall be located within the 30' Access Road width herein granted. The

pipeline easement shall be in the form attached hereto as Exhibit "B" and shall be executed at the time of payment of surface damages.

- **Default.** In the event of default by either party hereto as to any of the terms 14. and conditions of this Agreement, including a timely payment of any sums of money heretofore provided, the other party shall notify the defaulting party of such default and the defaulting party shall have twenty (20) days after receipt of such notice of default within which to cure such default. In the event such default is not of a nature which can be cured within twenty (20) days, the defaulting party shall promptly commence to cure such default and shall proceed promptly and diligently to cure such default, even though such curative work may extend beyond such twenty (20) day period. In the event that the defaulting party does not cure a default within the twenty (20) days set forth or, as to a default which cannot be cured within such twenty (20) days, does not proceed promptly and diligently, then the other party shall have the right to enforce this Agreement in court. All reasonable expenses and attorneys' fees incurred by the prevailing party in enforcing its rights under this Agreement shall be paid by the non-prevailing party.
- 15. <u>Notices</u>. Notices hereunder shall be in writing and delivered personally or sent by United States certified mail, return receipt requested, postage prepaid, addressed as follow:

Utah-Colorado Oil Corporation 3872 Village Rim Road Park City, Utah 84098

CDX Rockies, LLC CDX Gas, LLC 5485 Beltline Road, Suite 190 Dallas, Texas 75254 Attention: Gil Smith

16. Term of this Agreement. The term of this Agreement shall be for a period of one (1) year commencing on the Anniversary Date, PROVIDING HOWEVER, THAT CDX CAN EXTEND THIS AGREEMENT THEREAFTER FOR ONE MORE YEAR ANNUALLY BY MAKING THE ANNUAL ACCESS PAYMENT (AS SET FORTH ABOVE) PRIOR TO THE NEXT ENSUING ANNIVERSARY DATE. CDX shall have the right at any time to cease

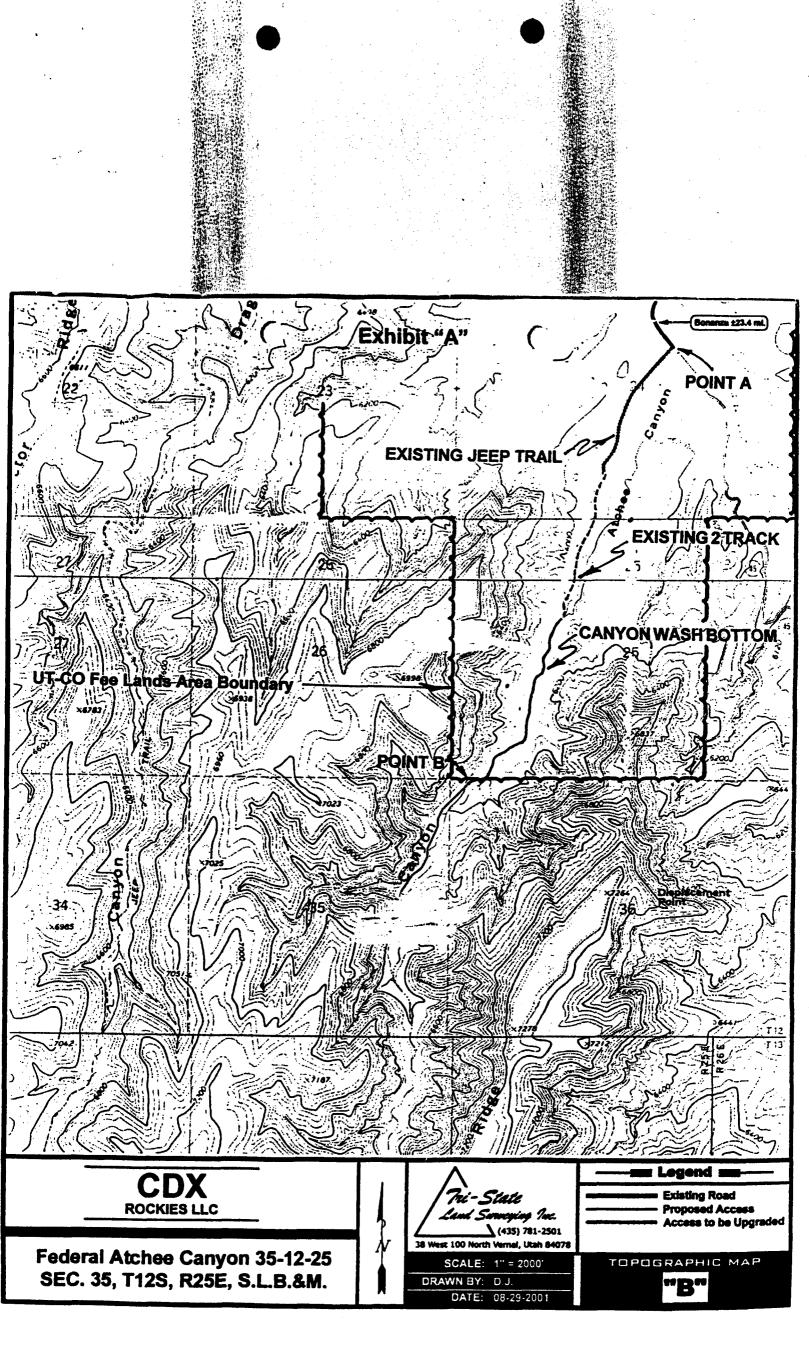
making the annual access payments, referred to above and upon cessation of such payments, this Agreement shall terminate. However, the termination of this Agreement shall not release CDX of any obligations incurred by it prior to the date of such termination, including the obligation to make payment and obligation to remove said roadway, if applicable.

- 17. Removal of Road. Upon termination of this Agreement, UT-CO shall have 60-days to:
  - A. Advise CDX that UT-CO desires to maintain the road for its own use, or
  - B. Notify CDX that the road should be removed, returned to its original contour, ripped and re-seeded.
  - C. In the event CDX is requested by UT-CO to remove the road, any gates and other improvements installed by CDX shall remain the property of CDX. However, if the road is not removed, all gates, culverts, and other improvements, if any, in and under the roadway installed by CDX shall become the property of UT-CO.
- 18. <u>Successors and Assigns</u>. This Agreement shall be binding upon the Successors and assigns of the parties hereto.
- 19. <u>Entire Agreement</u>. The parties acknowledge that this instrument constitutes the entire agreement between them, and that neither party has made representations, warranties or agreements other than as set forth herein.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the day and year first above written.

ATTEST		<b>UTAH-COLORADO OIL CORPORATION</b>
	,Secretary	By: Jani J. Dolling
WITNESS		CDX ROCKIES, LLC
		By: Whit uld

WITNESS	CDX GAS, LLC
	By: Work S.
ACH	KNOWLEDGEMENTS
COUNTY OF Summit	) ) SS. )
JUN,	acknowledged before me this 23 day of 2004, by <u>Pani Doering</u> , as nt, of Utah-Colorado Oil Corporation.
Witness my hand and official sea 12/18/1200 My commission expires:	JOSHUA BRUMMET Notary Public State of Utah My Commission Expires Dec. 18 6480 N. Highway 224, Park City, UT
STATE OF COLORADO  CITY +  COUNTY OF DEFUEL	) ) SS. )
JULY	s acknowledged before me this 2674 day of , 2004, by VAN P. WHITFIELD of CDX Rockies, LLC.
Witness my hand and official sea	al.
My commission expires:	Notary Public
STATE OF COLORADO  CITY +  COUNTY OF DENIOR	) ) SS. )
The foregoing instrument was  JULY , 20  SENIOR VICE PRESIDENT of CDX	s acknowledged before me this <u>Z674</u> day of 004, by <u>VAN P. WHITFIELN</u> , as Gas, LLC.
Witness my hand and official se	al.
My commission expires:	Notary Public



#### Exhibit "B"

#### **GRANT OF PIPELINE EASEMENT**

THIS GRANT is made this	day of	, 200	_, from
<b>Utah-Colorado Oil Corporation ("Granto</b>			
		-	to
CDX Gas, LLC ("CDX" and/or "Grante			
address is 5485 Beltline Road, Suite 19	90, Dallas, Texas	75254. The parties agree	ee as
follows:			

1. Grant of Pipeline Easement: In consideration of an amount equal to One dollar per linear foot (\$1.00/foot), the Grantor agrees to grant unto CDX a right of way to construct, maintain, inspect, operate, repair, replace, modify, enlarge, and abandon at its election, and after prior written consent on Grantor, to remove said pipeline, and other appurtenances, for the transportation of oil, gas, petroleum products, water, and any other substances, whether fluid, solid, or energy, any products and derivatives of any of the foregoing, and any combinations and mixtures of any of the foregoing, upon and along the route described in Exhibit "A", in, on, over, under, or through the properties which Grantor is the owner in fee simple. situated in Uintah County, State of Utah, as described in Exhibit "A". "Said pipeline(s) to be located within the boundary of a 30' wide access road being constructed and upgraded by CDX", said Exhibit "A" being attached to and incorporated into this Grant. The parties intend this instrument to be recorded in the property records of the county listed above.

This Grant includes the right of ingress and egress to and from the properties for any and all purposes necessary and incident to exercise the rights granted to CDX. Grantor shall have the right to use and enjoy the properties including the right to construct fences across the right of way; however, Grantor shall not exercise such use and enjoyment in a manner that will impair or interfere with the rights granted. Grantor agrees not to build, create, construct or permit to be built, created or constructed, any obstruction, building, reservoir, engineering works or other structure over, under, or on the easement granted, except with prior written consent of Grantee.

- 2. <u>Superior Rights of Way an Easements</u>: To the extent that the Easement crosses or aligns with prior right of way or easements of superior grantees on grantor's property, including but not limited to ditches, roads, pipelines and power lines, CDX will obtain at its sole expense the necessary right of way or authorization from the superior grantee(s). Grantor agrees to assist CDX at CDX's sole expense in obtaining right of way or authorization from superior grantees.
- 3. <u>Successor and Assigns</u>: The terms, conditions, and provisions of this Grant shall be binding upon and inure to the benefits of the parties, their heirs, executors, legal representatives, administrators, successors, and assigns. All rights granted may be released or assigned in whole or in part.
- 4. <u>Termination of Grant Rights</u>: The rights of this Grant shall be possessed, continued, and enjoyed by CDX, its successors and assigns, for so long as the pipeline, and appurtenances constructed pursuant to this Grant shall be operated by CDX, its successors or assigns. Upon termination of these Grant rights, CDX, its successors or assigns, may abandon the pipeline and appurtenances in place, except that all such facilities or equipment shall be abandoned below a plow depth of twenty-four inches (24").

### 5. Additional Provisions:

- A. Only one gas pipeline and one water pipeline shall be placed in the Pipeline Easement, unless Grantor consents to additional pipelines.
- B. Grantor may relocate the Pipeline Easement and pipeline(s) at Grantors sole cost, risk, and expense. Grantor shall notify Grantee at lease thirty days prior to commencement of relocation of the pipeline(s). Said relocation shall be made with minimal interruption of the flow product through said pipeline(s) (not to exceed three days) and completed within thirty days of commencement.
- C. Grantor shall have the right to build roads and parking lots over and across the Pipeline Easement and pipeline(s).
- D. The pipeline(s) shall not exceed eight inches (8") outside diameter.
- E. The pipeline(s) may not be enlarged without written consent of Grantor. Grantor is not obligated to grant such consent.
- F. The Pipeline Easement shall terminate upon any continuous period of nonuse exceeding one year.
- G. The Pipeline Easement is not a grant for power lines or overhead wires.
- H. The pipeline shall be buried at least thirty-six inches (36") below the surface.
- 6. <u>Modification</u>: This Grant cannot be modified, except by a writing signed by both parties.

IN WITNESS WHEREOF, the parties have executed this Grant on the date first written above.

UTAH COLORADO OIL CORPORATION, GRANTOR	CDX GAS, LLC, GRANTEE
By: Yani L. Jahue	By:
Title: Therdire	Title:

#### **ACKNOWLEDGMENTS**

STATE OF UTAH COUNTY OF Summit	) ) SS. )	e e Berne		
The foregoing instrument wa	s acknowledged	before me	this 2310 day , whose name	of as
corporation, is subscribed above, who duly sworn, deposed and stated on	o is known to me	and who an	ter being by me ti	ırst

voluntarily and with full knowledge of t as the act of said corporation.  WITNESS my hand and official seal	JOSHUA BRUMMETT  Notary Public  State of Utah  My Commission Expires Dec. 18, 2007  6480 N. Highway 224, Park City, UT 84098
My commission expires:	Notary Public:
STATE OF	) ) SS.
COUNTY OF	)
as, 2004, by as of CDX GAS, L subscribed above, who is known to deposed and stated on oath that he	s acknowledged before me this day of, whose name LC, a, is me and who after being by me first duly sworn, executed the forgoing instrument voluntarily and therein and with full authority, for and as the act of
My commission expires:	Notary Public:

#### Exhibit "A"

# LEGAL DESCRIPTION OF EASEMENT ON PROPERTIES SUBJECT TO GRANT OF PIPELINE EASEMENT

This legal description is incorporated into that certain GRANT OF PIPELINE EASEMENT dated \_\_\_\_\_\_\_, 2004, from Utah-Colorado Oil Corporation ("Grantor"), whether one or more, to CDX Gas, LLC ("CDX" and/or "Grantor"), and describes the easement across Grantor's property which is subject to the Grant.

Township 12 South, Range 25 East, SLM

Section 23: E/2

Section 24: W/2, Lots 14 and 15

Section 25: Lots 3, 4, and 8 through 11, W/2

Uintah County, Utah

The easement granted is an area of ground which is measured fifteen feet (15') in both directions from the centerline of the access road as constructed and/or up graded pursuant to that certain Road Access Agreement dated July 15, 2004, between Utah-Colorado Oil Corporation and CDX Rockies, LLC

the purposes hereof the easement shall be the total of 5,000 linear feet.

The easement granted also includes an operational surface use area of approximately 75 by 150 which shall be located at the intersection of the Access Road and Evacuation Creek Road at approximately the center of the SW/4NE/4 of Section 24-T12S-R25E, SLM, Uintah County, Utah.

## ON-SITE PREDRILL EVALUATION Division of Oil, Gas and Mining

OPERATOR: CDX GAS, LLC

WELL NAME & NUMBER: ATCHEE CANYON 25-12-25#4

**API NUMBER:**43-047-35830

LEASE: FEE FIELD/UNIT: WILDCAT

LOCATION: 1/4,1/4 NE/NW Sec: 25 TWP: 12S RNG: 25E 2283' FWL 1150' FNL LEGAL WELL SITING: 460 F SEC. LINE; 460 F 1/4,1/4 LINE; 920 F ANOTHER WELL.

GPS COORD (UTM):4401784N 12665482E

SURFACE OWNER: UTAH COLORADO OIL CORPORATION.

#### **PARTICIPANTS**

DAVID W. HACKFORD, (DOGM), BRET COOK, AL ARLIAN, SCOTT HUDSON, (CDX).

#### REGIONAL/LOCAL SETTING & TOPOGRAPHY

SITE IS IN THE BOTTOM OF ATCHEE CANYON, 300' WEST OF THE DRY WATERCOURSE WHICH RUNS DOWN THIS CANYON. DRAINAGE IS TO THE NORTH, NORTHEAST TO EVACUATION CREEK ONE MILE AWAY. CANYON BOTTOM IS RELATIVELY FLAT AND LEVEL WHILE THE CANYON WALLS ARE STEEP AND RUGGED WITH NUMEROUS SHEER CLIFFS AND SANDSTONE OUTCROPPINGS. BONANZA, UTAH IS 17 MILES TO THE NORTH.

#### SURFACE USE PLAN

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 325' BY 205'. ACCESS ROAD WILL BE 0.9 MILES OF EXISTING TWO TRACK WHICH WILL BE UPDATED.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE ATTACHED MAP FROM GIS DATABASE.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: ALL PRODUCTION FACILITIES WILL BE ON LOCATION AND ADDED AFTER DRILLING WELL. PIPELINE WILL BE SURVEYED AND PERMITTED IF NEEDED.

SOURCE OF CONSTRUCTION MATERIAL: <u>ALL CONSTRUCTION MATERIAL WILL BE</u> BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

#### WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

## ENVIRONMENTAL PARAMETERS

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: PINION PINE, JUNIPER, SAGE, GREASEWOOD, PRICKLY PEAR, CHEATGRASS, OTHER NATIVE GRASSES. ELK, DEER, RODENTS, RAPTORS, COYOTE, SONGBIRDS, RABBIT, BOBCAT, BEAR, COUGAR.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY LOAM.

EROSION/SEDIMENTATION/STABILITY: VERY LITTLE NATURAL EROSION.

SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION

SHOULDN'T CAUSE AN INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

#### RESERVE PIT

CHARACTERISTICS: 170' BY 40' AND SIX FEET DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A 12 MIL LINER WILL BE REQUIRED FOR RESERVE PIT.

#### SURFACE RESTORATION/RECLAMATION PLAN

AS PER LANDOWNER AGREEMENT

SURFACE AGREEMENT: YES

CULTURAL RESOURCES/ARCHAEOLOGY: SITE IS ON FEE SURFACE.

#### OTHER OBSERVATIONS/COMMENTS

THIS PREDRILL INVESTIGATION WAS CONDUCTED ON A HOT, SUNNY DAY.

#### **ATTACHMENTS**

PHOTOS OF THIS SITE WERE TAKEN AND PLACED ON FILE.

DAVID W. HACKFORD
DOGM REPRESENTATIVE

7/28/04 11:30 AM DATE/TIME

## Evaruation Ranking Criteria and Ranking Score For Reserve and Onsite Pit Liner Requirements

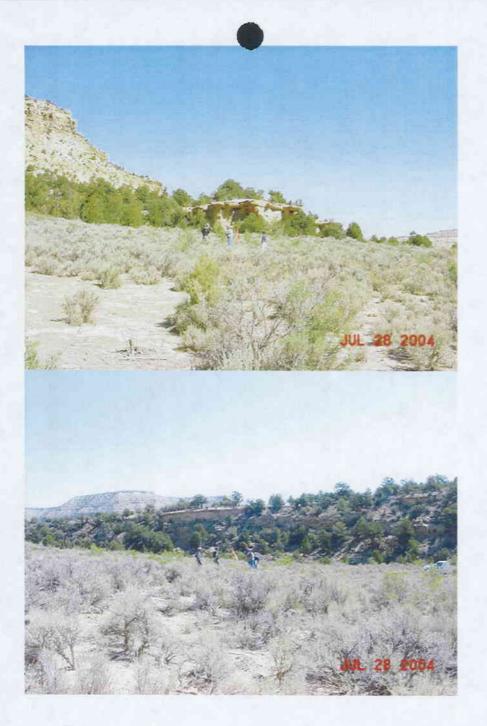
TOT NODELYC CITA	ompile ite miner .	wedarremence
Site-Specific Factors	Ranking	Site Ranking
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75 <25 or recharge area	15	_
225 Of fecharge area	20	5
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300 100 to 200	10 15	
< 100	20	0
Distance to Nearest Municipal		
Well (feet)	•	
>5280 1320 to 5280	0 5	
500 to 1320	10	
<500	20	0
Distance to Other Wells (feet) >1320	•	
300 to 1320	0 10	
<300	20	0
Native Soil Type		
Low permeability	0	
Mod. permeability High permeability	10 20	10
nigh permeastricy	20	_10
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000 TDS >10000 or Oil Base Mud Fluid	10 15	
containing significant levels of	15	
hazardous constituents	20	5
Drill Cuttings Normal Rock	٥	
Salt or detrimental	0 10	0
Sale of decliminat		
Annual Precipitation (inches)		
<10	0	
10 to 20 >20	5	•
320	10	0
Affected Populations		
<10	0	
10 to 30	6	
30 to 50 >50	8	•
250	10	0
Presence of Nearby Utility		
Conduits		
Not Present	0	
Unknown Present	10 15	^
I I COCIIC	1.0	0

20 (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.
Sensitivity Level II = 15-19; lining is discretionary.
Sensitivity Level III = below 15; no specific lining is required.

Final Score





## DIVISION OF OIL, GAS AND MINING APPLICATION FOR PERMIT TO DRILL STATEMENT OF BASIS

OPERATOR:	CDX GAS, LLC
WELL NAME & NUMBER:_	ATCHEE CANYON 25-12-25#4
API NUMBER:	43-047-35830
<b>LOCATION:</b> 1/4,1/4 <u>NE/NW</u> S	Sec: <u>25</u> TWP: <u>12S</u> RNG: <u>25E</u> <u>2283'</u> FWL <u>1150'</u> FNL
Geology/Ground Water:	
water at this location is estimated shows no water wells within a 10 is the Green River Formation and drainage bottom and near-surface up of interbedded limestones, sha	to be at a depth of 3,600'. A search of Division of Water Rights records ,000 foot radius of the proposed location. The surface formation at this site lalluvium derived from the Green River Formation. The location is near a water may be present in the alluvium. The Green River Formation is made ales and sandstones and may include some fresh water zones above the roposed casing and cementing program should adequately protect any water near the surface.
Reviewer: Br	rad Hill Date: 08-02-04
and appears to be the best site for a Utah Colorado Oil Corporation) b was a signed landowner agreeme Corporation also owned mineral	a location in the immediate area. I notified Mr. Brad Ockerland (representative of by telephone on 7/19/2004 and invited him to this investigation. He told me there ent, and he would not be attending. He was not present. Utah Colorado Oil rights for this well.  1 W. Hackford  Date: 7/30/2004

### **Conditions of Approval/Application for Permit to Drill:**

1. A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.

Well name:

08-04 CDX Atachee Cyn 25-12-25

Operator:

**CDX Gas, LLC** 

String type:

Surface

Project ID:

43-047-35830

Location:

Uintah

**Environment:** 

Design parameters:

**Collapse** 

Mud weight:

8.400 ppg

Design is based on evacuated pipe.

Minimum design factors: Collapse:

Design factor

1.125

H2S considered?

Surface temperature:

No 65 °F 73 °F

Bottom hole temperature: Temperature gradient:

1.40 °F/100ft

Minimum section length:

185 ft

**Burst:** 

Design factor

1.00

1.80 (J)

504 ft

Cement top:

Surface

**Burst** 

Max anticipated surface

No backup mud specified.

pressure:

76 psi

Internal gradient: Calculated BHP

0.447 psi/ft 333 psi

**Tension:** 

8 Round STC: 8 Round LTC:

Neutral point:

1.80 (J) 1.60 (J) **Buttress:** 1.50 (J)

Premium: Body yield:

1.50 (B)

Tension is based on air weight.

Re subsequent strings:

Non-directional string.

Next setting depth: Next mud weight: Next setting BHP:

7,300 ft 8.800 ppg 3,337 psi

Fracture mud wt: Fracture depth: Injection pressure 19.250 ppg 575 ft 575 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	575	9.625	36.00	J-55	ST&C	575	575	8.796	40.9
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	251	2020	8.051	333	3520	10.58	(Rips) 21	394	19.03 J

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining by:

Date: August 5,2004 Salt Lake City, Utah

**ENGINEERING STIPULATIONS: NONE** 

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension. Collapse is based on a vertical depth of 575 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

Well name:

08-04 CDX Atachee Cyn 25-12-25

Operator:

CDX Gas, LLC

String type:

Production

Location:

Uintah

Project ID:

43-047-35830

**Design parameters:** 

Collapse

Mud weight: Design is based on evacuated pipe.

8.800 ppg

Minimum design factors: Collapse:

Design factor 1.125 **Environment:** 

H2S considered?

No 65 °F Surface temperature:

Bottom hole temperature: Temperature gradient:

Non-directional string.

167 °F 1.40 °F/100ft

Minimum section length:

368 ft

Burst: Design factor

pressure:

76 psi

Tension:

8 Round STC: 1.80 (J) 8 Round LTC: 1.80 (J)

**Buttress:** Premium: Body yield:

1.50 (B)

Cement top:

1,010 ft

**Burst** 

Max anticipated surface

Internal gradient: Calculated BHP

No backup mud specified.

0.447 psi/ft 3,337 psi

1.60 (J) 1.50 (J)

1.00

Tension is based on air weight. Neutral point: 6.326 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	7300	5.5	17.00	N-80	LT&C	7300	7300	4.767	251.6
Run Seq	Collapse Load (psi) 3337	Collapse Strength (psi) 6290	Collapse Design Factor 1.885	Burst Load (psi) 3337	Burst Strength (psi) 7740	Burst Design Factor 2.32	Tension Load (Kips) 124	Tension Strength (Kips) 348	Tension Design Factor 2.80 J

Prepared

Clinton Dworshak

Utah Div. of Oil & Mining

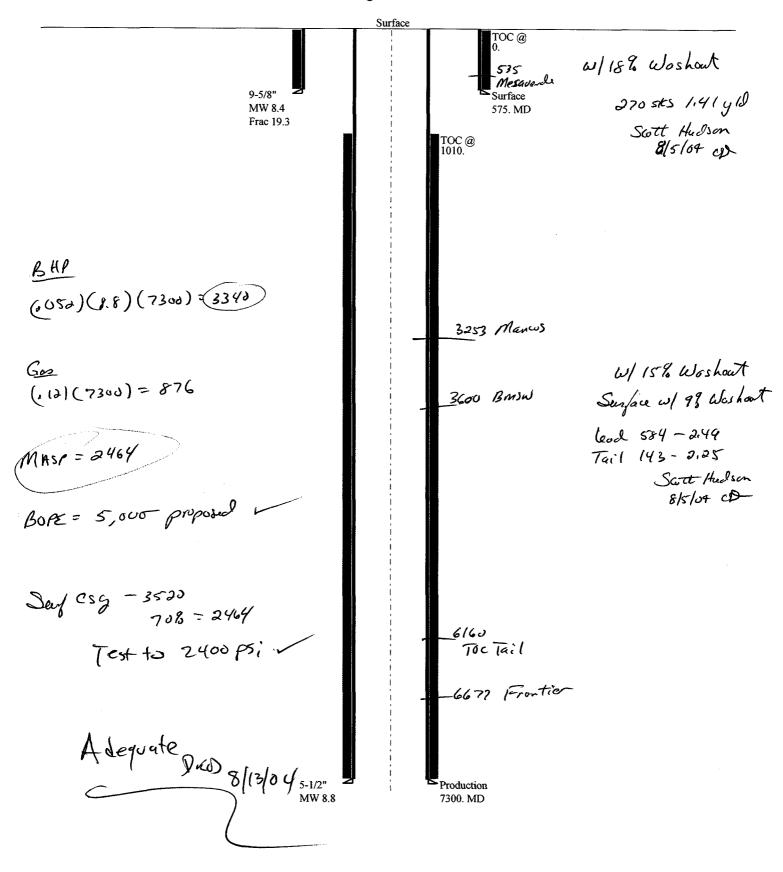
Date: August 5,2004 Salt Lake City, Utah

**ENGINEERING STIPULATIONS: NONE** 

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension. Collapse is based on a vertical depth of 7300 ft, a mud weight of 8.8 ppg. The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

## ● 08-04 CDX Atachee Cyn 2 2-25

Casing Schematic





State of Utah

Department of Natural Resources

ROBERT L. MORGAN Executive Director

Division of Oil, Gas & Mining

LOWELL P. BRAXTON
Division Director

OLENE S. WALKER
Governor

GAYLE F. McKEACHNIE
Lieutenant Governor

August 17, 2004

CDX Gas, LLC 1801 Broadway, #1060 Denver, CO 80202

Re:

Atchee Canyon 25-12-25 #4 Well, 1150' FNL, 2283' FWL, NE NW, Sec. 25, T. 12 South, R. 25 East, Uintah County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-35830.

Sincerely,

John R. Baza
Associate Director

Michael Hebritan

pab Enclosures

cc: Uintah County Assessor

Operator:	CDX Gas, LLC					
Well Name & Number	Atchee Canyon 25-12-25 #4					
<b>API Number:</b> 43-047-35830						
Lease:	Fee					
Location: <u>NE NW</u>	Sec. 25	T. 12 South	<b>R.</b> 25 East			

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

Page 2 API #43-047-35830 August 17, 2004

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

#### STATE OF UTAH

(5/2000)

	DEPARTMENT OF NATURAL				
011	DIVISION OF OIL, GAS			5. LEASE DESIGNATION AND SERIAL NUMBER: *See Below.	:
SUNDRY	Y NOTICES AND REI	PORTS ON WEL	.LS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for proposals to drill a	new wells, significantly deepen existing we laterals. Use APPLICATION FOR PERMIT	ills below current bottom-hole de	oth, reenter plugged wells, or to	7. UNIT of CA AGREEMENT NAME: Displacement Point Unit	
1. TYPE OF WELL OIL WELL		OTHER		8. WELL NAME and NUMBER: Atchee Canyon 25-12-25 #4	
2. NAME OF OPERATOR: CDX Gas, LLC		al a como de la composição de la composição de la contractor de la composição de la composição de la contractor de la contrac		9. API NUMBER: 4304735830	<del></del>
3. ADDRESS OF OPERATOR:			PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:	
1801 Broadway, Suite 1060 CIT	Denver STATE	CO <sub>Zip</sub> 80202	(303) 298-8211	Wildcat	
FOOTAGES AT SURFACE: 1,150	'FNL 2,283'FWL			COUNTY: Uintah	
QTR/QTR, SECTION, TOWNSHIP, RAN	NGE, MERIDIAN: NENW 25	12S 25E	•	STATE: UTAH	
11. CHECK APP	ROPRIATE BOXES TO I	NDICATE NATURE	OF NOTICE, REPO	RT, OR OTHER DATA	
TYPE OF SUBMISSION		7	YPE OF ACTION		
NOTICE OF INTENT	ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION	1
(Submit in Duplicate)	ALTER CASING	FRACTUR		SIDETRACK TO REPAIR WELL	
Approximate date work will start	CASING REPAIR  CHANGE TO PREVIOUS PLANS	<u></u>	STRUCTION	TEMPORARILY ABANDON	
10/25/2004	CHANGE TO PREVIOUS PLANS CHANGE TUBING	hand part	R CHANGE ABANDON	TUBING REPAIR  VENT OR FLARE	
SUBSEQUENT REPORT	CHANGE WELL NAME	☐ PLUG BAC		WATER DISPOSAL	
(Submit Original Form Only)	CHANGE WELL STATUS		ON (START/RESUME)	WATER SHUT-OPF	
Date of work completion:	COMMINGLE PRODUCING FOR		TION OF WELL SITE	OTHER:	
	CONVERT WELL TYPE	RECOMPL	ETE - DIFFERENT FORMATION		
Change Surface Casir     Reduce proposed tota		nited Service Casing	which has been insp 50' below the top of	pected and meets API requireme the Sego Formation, plus rathole	
*First Obligation Well w/i l cc: BLM Vernal Office	Displacement Point Feder	ral Unit, but Fee We	ll, Minerals, and Surf	RECEIVED OCT 2 2 2004 DIV. OF OIL, GAS & MIN	
NAME (PLEASE PRINT) Alvin (AI)	R. Arlian	TIT	Land Manager-V	Vestern Opertaions	
		<u> </u>	10-2	21-04	
SIGNATURE /		DA		-1 0 /	
(This space for State use only)	COPY SENT TO OPERATOR Date: 10-26-09	( ) O	PROVED BY T F UTAH DIVI IL GAS AND	SION OF	

## DIVISION OF OIL, GAS AND MINING

## **SPUDDING INFORMATION**

Name of Company:	CDX GAS	LLC	-,,		
Well Name:	ATCHEE	CYN 25-12-2 <u>:</u>	5 #4		
Api No: 43-047-3583	30	_Lease Type:_		FEE	
Section 25 Township	12S Range_	25E Coun	tyl	UINTAH	
Drilling Contractor	PETE MARTI	N'S	_RIG#_	BUCKET	
SPUDDED:					
Date	10/26/04				
Time	4:00 PM				
How	DRY				
Drilling will commend	ce:				
Reported by	BRENT STU	BBS			
Telephone #	1-435-828-810	00			
Date10/27/2004	Signed	CH	ID		

		DEDARTMENT OF NATUE		:e			1 Ortin O			
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING							5. LEASE DESIGNATION AND SERIAL NUMBER: *See Below.			
-	SUNDRY	NOTICES AND R	EPORTS (	N WEL	LS	6. IF IN	DIAN, ALLOTTEE OR TRIBE NAME:			
Do	not use this form for proposals to drill m drill horizontal la	ew wells, significantly deepen existing terals. Use APPLICATION FOR PER	g wells below current I	bottom-hole dept for such proposa	h, reenter plugged wells, or to ls.		or CA AGREEMENT NAME: Diacement Point Unit			
	YPE OF WELL OIL WELL		OTHER			1	L NAME and NUMBER: IGE Canyon 25-12-25 #4			
2. N	AME OF OPERATOR:	0 1					NUMBER:			
CDX Rockies, LLC N/860							4735830			
	DDRESS OF OPERATOR: 01 Broadway, Suite 1060	y <b>Denver</b> STA	TE CO ZIP 80	202	PHONE NUMBER: (303) 298-8211		LD AND POOL, OR WILDCAT: Icat			
	OCATION OF WELL  OOTAGES AT SURFACE: 1,150	FNL 2,283' FWL				COUNT	y: <b>Uintah</b>			
Q	TR/QTR, SECTION, TOWNSHIP, RANG	GE, MERIDIAN: NENW 25	12S 25E			STATE	UTAH			
44	CHECK APPE	ROPRIATE BOXES TO	MINICATE	MATURE	OF NOTICE BEDG	VDT O	P OTHER DATA			
11,		TOPRIATE BOXES TO	INDICATE			λκι, O	ROTHERDATA			
	TYPE OF SUBMISSION	1			PE OF ACTION					
Z	NOTICE OF INTENT	ACIDIZE	<u>L</u> _	DEEPEN		닠	REPERFORATE CURRENT FORMATION			
	(Submit in Duplicate)	ALTER CASING	<u>_</u>	FRACTURE	TREAT	ᆜ	SIDETRACK TO REPAIR WELL			
	Approximate date work will start:	CASING REPAIR	<u> </u>	NEW CONS		ᆜ	TEMPORARILY ABANDON			
	10/25/2004	CHANGE TO PREVIOUS P	ANS 2	OPERATOR	CHANGE		TUBING REPAIR			
	SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	CHANGE TUBING		PLUG AND	ABANDON		VENT OR FLARE			
Ц		CHANGE WELL NAME		PLUG BACK			WATER DISPOSAL			
		CHANGE WELL STATUS		PRODUCTIO	ON (START/RESUME)		WATER SHUT-OFF			
		COMMINGLE PRODUCING	FORMATIONS	RECLAMATI	ION OF WELL SITE		OTHER:			
		CONVERT WELL TYPE		RECOMPLE	TE - DIFFERENT FORMATION					
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  1. This well is now being drilled as the 1st obligation well within the Displacement Point Federal Unit.  2. CDX Rockies, LLC is the unit operator, so the operator must be changed from CDX Gas, LLC to the unit operator CDX Rockies, LLC. pursuant to the unit operating agreement.  3. 1st First Obligation Well w/i Displacement Point Federal Unit, but Fee Well, Minerals, and Surface.  3. 1st Vernal Office.  Alivn R. Arlian, Land Manager-Western Operations, CDX Gas, LLC  10 -24 - 09  Date										
NAM	HE (PLEASE PRINT) Alvin (AI) I	R. Arlian		TITU	E Land Manager,	CDX R	ockies, LLC			
			_							

(This space for State use only)

APPROVED 10 138 104

Carley Russell

Division of Oil, Gas and Mining

Fortuge Russell Engineering Technician

**RECEIVED** OCT 27 2004

Division of Oil, Gas and Mining

## **OPERATOR CHANGE WORKSHEET**

010

## X Change of Operator (Well Sold)

ROUTING
1. GLH
2. CDW
3. FILE

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:			10/1/2004						
FROM: (Old Operator):			<b>TO:</b> ( New C	perator):					
N2555-CDX Gas, LLC				N1860-CDX Rockies, LLC					
1801 Broadway, Suite 1060				ii .	,				
Denver, CO 80202				1801 Broadway, Suite 1060					
			Denver, CO 80202  Phone: 1-(303) 298-8211						
									WELL(S)
NAME	SEC	TWN	J DNC	API NO	ENTITY	LEASE	WELL	WELL	
TV MVIL	SEC	T 441	1 1010	AHINO	NO	TYPE	TYPE	STATUS	
ATCHEE CYN 25-12-25 #4	25	120S	250E	4304735830	1	Fee	GW	DRL	
		-							
						<u></u>			
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						<u> </u>			
					<del>                                     </del>	<u> </u>		<u> </u>	
						<del> </del>		<del> </del>	
		<u> </u>				<u> </u>		<u> </u>	
		<u> </u>							
OPERATOR CHANGES DOCUME		ON		<del></del>					
Enter date after each listed item is completed 1. (R649-8-10) Sundry or legal documentation		eived f	rom the	FORMED ^~	erator on	10/27/200	4		
, , , , , , , , , , , , , , , , , , , ,				<del>-</del>			_		
2. (R649-8-10) Sundry or legal documentation	i was rec	eivea i	rom me	NEW operato	r on:	10/27/200	<del>-</del>		
3. The new company was checked on the <b>Dep</b>	artment	of Cor	nmerce	e. Division of C	Cornoration	s Database	on:	6/7/2004	
4. Is the new operator registered in the State of		01 001		Business Num	-	4880191-01		0///2004	
5. If <b>NO</b> , the operator was contacted contacted			113	-		1000171-0			
5. If 140, the operator was contacted contacted	u OII.								
6a. (R649-9-2)Waste Management Plan has bee	n receive	ed on:		IN PLACE					
6b. Inspections of LA PA state/fee well sites co				n/a	<del></del>				
oo. The been one of The Full State, for Moll 21fe2 of	mpice 0	11.		IV a					

7. Federal and Indian Lease Wells: The BLM and or the BIA has app	proved the merger, name change,
or operator change for all wells listed on Federal or Indian leases on:	BLM n/a BIA n/a
8. Federal and Indian Units:	
The BLM or BIA has approved the successor of unit operator for wells listed	on: <u>n/a</u>
9. Federal and Indian Communization Agreements ("CA"):	
The BLM or BIA has approved the operator for all wells listed within a CA or	n: <u>n/a</u>
10. Underground Injection Control ("UIC") The Division has ap Inject, for the enhanced/secondary recovery unit/project for the water disposal	pproved UIC Form 5, <b>Transfer of Authority to</b> well(s) listed on:
DATA ENTRY:	•
1. Changes entered in the Oil and Gas Database on: 10/28/200	4
2. Changes have been entered on the Monthly Operator Change Spread Sheet of	on: <u>10/28/2004</u>
3. Bond information entered in RBDMS on: 10/28/200	4 .
4. Fee/State wells attached to bond in RBDMS on: 10/28/200	4
5. Injection Projects to new operator in RBDMS on:  n/a	 
6. Receipt of Acceptance of Drilling Procedures for APD/New on:	n/a same company operations
FEDERAL WELL(S) BOND VERIFICATION:	
1. Federal well(s) covered by Bond Number: n/a	
INDIAN WELL(S) BOND VERIFICATION:	
1. Indian well(s) covered by Bond Number: n/a	<u> </u>
FEE & STATE WELL(S) BOND VERIFICATION:	
1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Numb	B000903
2. The <b>FORMER</b> operator has requested a release of liability from their bond on: The Division sent response by letter on:  n/a	n/a same bond
The Division sent response by letter on:	· ·
LEASE INTEREST OWNER NOTIFICATION:	
3. (R649-2-10) The FORMER operator of the fee wells has been contacted and inf	formed by a letter from the Division
of their responsibility to notify all interest owners of this change on:	FT-100-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
COMMENTS:	
Change of operator to accommodate BLM unit requirements	
	, , , , , , , , , , , , , , , , , , , ,
	- Miles - William - Willia



CDX Gas, LLC 1801 Boudway, Suite 1060 Denver, Colorado 80202 Tel: 303-298-8211 Fax: 303-298-3411

## **FAX TRANSMITTAL SHEET**

DATE/TIME: 1/-4-04
TO: Dustin Doucet
FAX: (801) 359-3940
FROM: Lawie Hady
MATTER: Sunday Notice - Afchas
PAGES TRANSMITTED INCLUDING THIS PAGE:
Comments:

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL. GAS AND MINING

FORM 9

0 1 3	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	See Below,
	NOTICES AND REPORTS ON WELLS	6. IIF INDIAN, ALLOTTEE OR TRIBL NAME.
	now wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to atorais. Use APPLICATION FOR PERMIT TO DRILL form for such proposation	7 Displacement Point Unit
1. TYPE OF WELL OIL WELL		8. WLLL NAME and NUMBER. Atchee Canyon 25-12-25 #4
2. NAME OF OPERATOR:		9. API NUMBER: 4304735830
CDX Gas, LLC  3. ADDRESS OF OPERATOR:	PHONE NUMBER:	10. FIELD AND POOL, OR WILLICAT.
1801 Broadway, Suite 1060	Denver CO 480202 (303) 298-8211	Wildcat
4. LOCATION OF WELL FOOTAGES AT SURFACE 1.150	FNL 2,283' FWL	COUNTY: Uintah
OTRIOTIR, SECTION, TOWNSHIP, RA	NGH, MERIDIAN: NENW 25 12\$ 25E	STATE.
1) CHECK APP	ROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REP	ORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	REPLAFORATE CURRENT FORMATION
NOTICE OF INTENT	ACIDIZE DLCPEN	SIDETRACK TO REPAIR WILL
(Submit in Duplicate)	ALTER CASING FRACTURE TREAT  CASING REPAIR  NEW CONSTRUCTION	TEMPORARILY ABANDON
Approximate date work will start.	CASING REPAIR  CHANGE TO PREVIOUS PLANS  OPERATOR CHANGE	TURING REPAIR
	CHANGE TUBING PLUG AND ABANDON	VENT OR FLAKE
SUBSEQUENT REPORT	CHANGE WALL NAME PLUG BACK	WATER DISPOSAL
(Submit Onginal Form Only)	CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion:	COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	ОТНЕК
	CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATIC	N
12. DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show all pertinent details including distes, depths, vol.	umas, otc.
Date: November 4, 200	an RI M Verea	
Operation:	to 1271', a water flow was encountered. Flow was both inside & eived from Dustin Doucet, State of Utah Division of Oil, Gas & Mi	outside of the 9 5/8" Surface Casing. ning, to modify the drilling procedure
2. Squeeze Cement w/ 4 3. Drill Out Squeeze and 4. Run 7" 23# J-55 LTC 5. Cement 7" Casing w/ 6. Drill 6 1/4" hole to TD 7. Run 4 1/2" 10.50, J-5 8. Cement 4 1/2" w/ 325	tainer at +/- 535' Shoe at 595' 400 sks Class H Cement 1 Open Hole with 8 3/4" bit to 1271' Casing from Surface to 1271' 250 sks Class H, 50% Excess at 2900' 5 LTC Casing to TD, Surface to 2900' 5 sks Class H Cement. 25% Excess. Actual Cement. (Volume will be reported on Subsequent Reported	
All casing cement slu	mes will come back to surface.	
NAME (PLCASE PRINT	I) R. Arlian Land Manage	r-Western Opertaions
SIGNATURE # Con	R. Alian (Sh) DATE 11-4-	2004
(This space for 554te use only)  COPY S  Doile: iniliais:		ED BY THE STATE AH DIVISION OF AS, AND MINING
<b>*</b> .	DV.	19/11/11/11

Well name:

11-04 CDX Atachee Cyn 25-12-25rev.

Operator:

CDX Gas, LLC

String type:

Production

Location:

Uintah

Project ID:

43-047-35830

Design parameters:

**Collapse** 

Mud weight:

8.800 ppg

Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor

1.125

1.00

**Environment:** H2S considered?

Surface temperature:

Non-directional string.

No 65 °F 106 °F

Bottom hole temperature: Temperature gradient:

1.40 °F/100ft

Minimum section length:

368 ft

**Burst:** Design factor

**Burst** 

Max anticipated surface

pressure: Internal gradient: Calculated BHP

30 psi 0.447 psi/ft 1,326 psi

No backup mud specified.

8 Round STC: 8 Round LTC:

Premium: Body yield:

Tension is based on air weight.

Cement top:

661 ft

Tension:

1.80 (J) 1.80 (J) 1.60 (J) Buttress:

1.50 (J) 1.50 (B)

2,520 ft Neutral point:

Run Seq	Segment Length (ft) 2900	Size (in) 4.5	Nominal Weight (lbs/ft) 10.50	Grade J-55	End Finish ST&C	True Vert Depth (ft) 2900	Measured Depth (ft) 2900	Drift Diameter (in) 3.927	Internal Capacity (ft³) 60.6
Run Seq	Collapse Load (psi) 1326	Collapse Strength (psi) 4010	Collapse Design Factor 3.025	Burst Load (psi) 1326	Burst Strength (psi) 4790	Burst Design Factor 3.61	Tension Load (Kips) 30	Tension Strength (Kips) 132	Tension Design Factor 4.33 J

Clinton Dworshak Prepared

by: Utah Div. of Oil & Mining

Date: November 4,2004 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension. Collapse is based on a vertical depth of 2900 ft, a mud weight of 8.8 ppg. The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

Well name:

11-04 CDX Atachee Cyn 25-12-25rev.

Operator:

**CDX Gas, LLC** 

String type:

Intermediate

Design parameters:

Project ID: 43-047-35830

Location:

Uintah

Minimum design factors: **Environment:** 

**Collapse** 

Mud weight:

8.800 ppg

Design is based on evacuated pipe.

Collapse: Design factor

1.125

H2S considered?

No Surface temperature: 65 °F 83 °F Bottom hole temperature:

1.40 °F/100ft Temperature gradient: Minimum section length: 1,271 ft

**Burst:** 

Design factor

1.00

Cement top:

236 ft

**Burst** 

Max anticipated surface

No backup mud specified.

pressure:

978 psi

Internal gradient: Calculated BHP

0.120 psi/ft 1,130 psi

8 Round STC:

8 Round LTC: **Buttress:** 

Premium: Body yield:

Tension is based on air weight. Neutral point: 1,103 ft

**Tension:** Non-directional string.

1.50 (J)

1.50 (B)

1.80 (J) 1.80 (J) 1.60 (J)

Re subsequent strings:

Next setting depth: Next mud weight: Next setting BHP: Fracture mud wt:

Fracture depth:

Injection pressure

8.800 ppg 1,326 psi 19.250 ppg 2,900 ft 2,900 psi

2,900 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	1271	7	23.00	J-55	LT&C	1271	1271	6.25	58.7
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	581	3270	5.628	1130	4360	3.86	29	313	10.71 J

Prepared Clinton Dworshak

Utah Div. of Oil & Mining

Date: November 4,2004 Salt Lake City, Utah

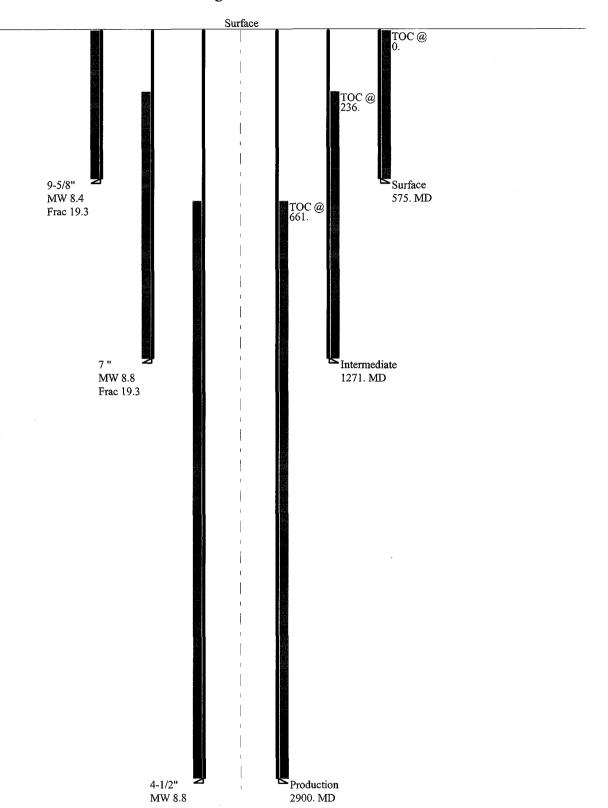
**ENGINEERING STIPULATIONS: NONE** 

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 1271 ft, a mud weight of 8.8 ppg The casing is considered to be evacuated for collapse purposes. Burst strength is not adjusted for tension.

## 1-04 CDX Atachee Cyn 25-25rev.

Casing Schematic



# STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

015	DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: *See Below.
SUNDR	Y NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
drill horizonta	Il new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged well il laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME: Displacement Point Unit  8. WELL NAME and NUMBER:
OIL WEL	L GAS WELL OTHER	Atchee Canyon 25-12-25 #4
2. NAME OF OPERATOR: CDX Gas, LLC		9. API NUMBER: 4304735830
3. ADDRESS OF OPERATOR: 1801 Broadway, Suite 1060	PHONE NUMBER: (303) 298-82	10. FIELD AND POOL, OR WILDCAT:  11 Wildcat
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1,15		COUNTY: <b>Uintah</b> STATE:
	120 202	UTAH
11. CHECK AP	PROPRIATE BOXES TO INDICATE NATURE OF NOTICE, I	REPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate)	ACIDIZE DEEPEN	REPERFORATE CURRENT FORMATION
Approximate date work will start:	ALTER CASING FRACTURE TREAT  CASING REPAIR NEW CONSTRUCTION	SIDETRACK TO REPAIR WELL  TEMPORARILY ABANDON
, pp	CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
	CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT	CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion:	COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER:
	CONVERT WELL TYPE RECOMPLETE - DIFFERENT FOR	MATION
12. DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depth	s, volumes, etc.
	e to 1271', a water flow was encountered. Flow was both inside	le & outside of the 9 5/8" Surface Casing.
	tainer at +/- 535' Shoe at 595'	RECEIVED
	400 sks Class H Cement d Open Hole with 8 3/4" bit to 1271'	NOV 0 8 2004
	Casing from Surface to 1271'	NUV 0 0 2007
5. Cement 7" Casing w/ 6. Drill 6 1/4" hole to TD	250 sks Class H. 50% Excess	DIV. OF OIL, GAS & MINING
7. Run 4 1/2" 10.50, J-5	5 LTC Casing to TD. Surface to 2900' 5 sks Class H Cement. 25% Excess. Actual Cement. (Volum	e will be determined by caliper log.)
	lumes may be modified and will be reported on Subsequent Frries will come back to surface.	Reports of.
NAME (PLEASE PRINT) Alvin (A	I) R. Arlian TITLE Land Man	ager-Western Opertaions
SIGNATURE Ulur	R. arlian (M) DATE 11-4.	-2004
(This space for State use only)	OPY SENT TO OPERATOR  Fan Copy	Approved 11/4/2004 DKD

(5/2000)

(See Instructions on Reverse Side)

### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

0 1 6 DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:  *See Below.
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.  1. TYPE OF WELL  OIL WELL  GAS WELL  OTHER	7. UNIT or CA AGREEMENT NAME: Displacement Point Unit  8. WELL NAME and NUMBER: Atchee Canyon 25-12-25 #4
2. NAME OF OPERATOR: CDX Gas, LLC	9. API NUMBER: 4304735830
3. ADDRESS OF OPERATOR: 1801 Broadway, Suite 1060 CITY Denver STATE CO ZIP 80202 (303) 298-8211	10. FIELD AND POOL, OR WILDCAT: Wildcat
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1,150' FNL 2,283' FWL  QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 25 12S 25E	COUNTY: Uintah STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT. OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start:  CASING REPAIR  CHANGE TO PREVIOUS PLANS  DEEPEN  FRACTURE TREAT  NEW CONSTRUCTION  OPERATOR CHANGE	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON  CHANGE WELL NAME PLUG BACK  CHANGE WELL STATUS PRODUCTION (START/RESUME)  COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE  CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	VENT OR FLARE WATER DISPOSAL WATER SHUT-OFF OTHER:
6. MR off location 7. WOC  NOV  DIV. OF OIL	DEIVED 0 <b>8 2004</b> , GAS & MINING
NAME (FELAGE FRINT)	Western Opertaions
SIGNATURE SIVILLY. Arlean (IL) DATE 10-26.	-2004

(This space for State use only)

DIV. OF OIL, GAS & MINING

Land Manager-Western Opertaions

1. TYPE OF WELL

2. NAME OF OPERATOR:

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING 5. LEASE DESIGNATION AND SERIAL NUMBER: \*See Below. 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS 7. UNIT OF CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. Displacement Point Unit 8. WELL NAME and NUMBER: GAS WELL 7 OIL WELL OTHER Atchee Canyon 25-12-25 #4 9. API NUMBER:

CDX Gas, LLC		4304735830
3. ADDRESS OF OPERATOR:	PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
1801 Broadway, Suite 1060	Ty Denver STATE CO 212 80202 (303) 298-821	1 Wildcat
4. LOCATION OF WELL		K P o 4 o b
FOOTAGES AT SURFACE: 1,150	FNL 2,283° FWL	county: Uintah
QTR/QTR, SECTION, TOWNSHIP, RA	INGE, MERIDIAN: NENW 25 12S 25E	STATE:
GINGIN, SECTION, TOWNSHIP, NA	NOE, WERIDIAN PALITYY ZO 120 ZOL	UTAH
11. CHECK APP	PROPRIATE BOXES TO INDICATE NATURE OF NOTICE, RI	EPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
☐ NOTICE OF INTENT	ACIDIZE DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS. OPERATOR CHANGE	TUBING REPAIR
	CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT	CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion:	COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	· ·
		OTHER:
-	CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMA	A FRON
12. DESCRIBE PROPOSED OR C	COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths,	volumes, etc.
Date: October 27, 2004		
Operation:		
1. WOC	and policy odd TD OL. Air 9 air mint Alexts, Ornal Daniel of Other	-1
Circ & condition hole	om 60' to 610' TD GL. Air & air mist. Notify Carol Daniels w/ St	ate of Ut, commits spud & cement.
3. TOOH, laying down pi	ne and RHA	
	range 1, 36#, LS ST&C, J55, total lgth. 584.70' GL. 1 Guide sh	oe.Float insert @539.70.
5 centralizers.		
<ol><li>Guide shoe, 2 jts, float</li></ol>	t insert in top of 2 jt, 25 jts, centrlizers top of 1 jt, top of 2 jt, top	of 4jt, top of 6 jt, top of 8 jt.
	Plug down @2:29, 10-28-04	
	np 30 bbls freash water,20 bbls Gel Sweep,300 sks Premium (	
	sk . Fluid to surface 61 bbls away. Drop plug and displace with psi over.Ckeck float, not holding, pressure up to 380 psi and	
7. Wait to in stall cellar ri		shut in. RECEIVED
rolle to its broken oblight 11		NOV 0 8 2004
no. DLM Vormal Office		THUT U U ZUUT

(This space for State use only)

SIGNATURE

cc: BLM Vernal Office

NAME (PLEASE PRINT) Alvin (AI) R. Arlian

#### STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

FORM 6

014

ENTITY ACTION FORM										
Operator:	CDX Rockies, LLC		Operator Account Number;	N 1860						
Address;	1801 Broadway, Suite 1060			1						
	city Denver		···							
	state CO	zip 80016	— Phone Number:	(303) 298-8211						

Well 1

API Number	Well	Name	QQ	Sec	Rng County			
4304735830	Alchee Canyon 25-12-25 #4 NENW			25	125	25E	Uintah	
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date			
Α	99999	14371	10/26/2004			11	10/04	

isplacement Point Unit.

MURL

Well 2

API Number	Weil I	QQ	QQ Sec Twp			Rng County		
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date			
Comments;		****						

Well 3

Well	lame	QQ	Sec	Twp	Rng	County	
Current Entity Number	New Entity Number	Spud Date		le Le	Entity Assignment Effective Date		
				·			
	Current Entity	Current Entity New Entity	Current Entity New Entity S	Current Entity New Entity Spud Date	Current Entity New Entity Spud Date	Current Entity New Entity Spud Date Entit	

#### **ACTION CODES:**

- A Establish new entity for new well (single well only)
- B Add new well to existing entity (group or unit well)
- C Re-assign well from one existing entity to another existing entity
- D Re-assign well from one existing entity to a new entity
- E Other (Explain in 'comments' section)

Alvin R. (Al) Arlian

Name (Please Print)

Signature

Land Manager

11/10/2004

Title

Date

(5/2000)

**RECEIVED** NOV 1 0 2004

T'V, OF OIL, GAS & MINING

STATE OF UTAH AMENDED REPORT FORM 8 **DEPARTMENT OF NATURAL RESOURCES** (highlight changes) DIVISION OF OIL, GAS AND MINING 5. LEASE DESIGNATION AND SERIAL NUMBER: 018 (fee) 6. IF INDIAN, ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOG (fee) 1a. TYPE OF WELL: 7. UNIT or CA AGREEMENT NAME GAS VELL OTHER Displacement Point Unit b. TYPE OF WORK 8. WELL NAME and NUMBER: WEW Z HORIZ. DEEP-RE-ENTRY DIFF. RESVR. Atchee Canvon 25-12-25 #4 OTHER 2. NAME OF OPERATOR: 9. API NUMBER: CDX Rockies, LLC 4304735830 3. ADDRESS OF OPERATOR: PHONE NUMBER: 10 FIELD AND POOL, OR WILDCAT 1801 Broadway #1060 **CITY Denver** STATE CO ZIP 80202 (303) 298-8211 Wildcat 4. LOCATION OF WELL (FOOTAGES) 11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: AT SURFACE: 1,150' FNL - 2,283' FWL NENW 25 12S 25E AT TOP PRODUCING INTERVAL REPORTED BELOW: 1,150' FNL - 2,283' FWL 12. COUNTY 13. STATE AT TOTAL DEPTH: 1,150' FNL - 2,283' FWL UTAH Uintah 14. DATE SPUDDED: 15. DATE T.D. REACHED: 16. DATE COMPLETED: 17. ELEVATIONS (DF, RKB, RT, GL): 10/26/2004 ABANDONED READY TO PRODUCE 7 11/17/2004 1/10/2005 6,025' GL 18. TOTAL DEPTH: MD 19. PLUG BACK T.D.: MD 3,074 3.124 21. DEPTH BRIDGE 20. IF MULTIPLE COMPLETIONS, HOW MANY? MD PLUG SET: TVD 3.074 TVD 22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) 23 WAS WELL CORED? NO 🔽 YES 🗌 (Submit analysis) GR/CCL/CBL, Schlumberger Triple Combo NO 🔽 WAS DST RUN? YES (Submit report) DIRECTIONAL SURVEY? NO 🔽 YES [ (Submit copy) 24. CASING AND LINER RECORD (Report all strings set in well) STAGE CEMENTER **CEMENT TYPE &** SHURRY **HOLE SIZE** SIZE/GRADE WEIGHT (#/fL) TOP (MD) BOTTOM (MD) CEMENT TOP \*\* AMOUNT PULLED VOLUME (BBL) NO. OF SACKS DEPTH 12.25" 9 5/8 J-55 36.0 0 595 G 300 surface 8.75" J-55 23.0 0 1,103 50/50 105 surface G 300 6.25" 11.6 0 3,124 4 1/2 M-80 50/50 315 surface 25. TUBING RECORD SIZE DEPTH SET (MD) PACKER SET (MD) SIZE DEPTH SET (MD) PACKER SET (MD) SIZE PACKER SET (MD) DEPTH SET (MD) 2 3/8" 2.258 26. PRODUCING INTERVALS MURD 27. PERFORATION RECORD DKD, GL# FORMATION NAME BOTTOM (MD) TOP (TVD) BOTTOM (TVD) INTERVAL (Top/Bot - MD) NO. HOLES PERFORATION STATUS SIZE (A) Nelsen 1.150 3,049 1,150 3,049 2,490 2,174 Open 🔽 Squeezed .34 70 (B) Squeezed (C) Open Squeezed (D) Squeezed 28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND TYPE OF MATERIAL 2,174' to 2,353 500 gal 7-1/2% HCI 2.174' to 2.353' 100,000#'s 20/40 Ottowa w/ Flex Sand, 1,490 bbls X-link Gel. 29. ENCLOSED ATTACHMENTS: 30. WELL STATUS: ELECTRICAL/MECHANICAL LOGS ☑ PRECEIVEDProducing GEOLOGIC REPORT DST REPORT SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION **CORE ANALYSIS** OTHER: <del>JAN 2-0-2005</del>

31. INITIAL PRO		•			INT	ERVAL A (As sho	wn in item #26)				
DATE FIRST PRO 1/10/2005		TEST DA	TE: 2005		HOURS TESTED	): 12	TEST PRODUCTION RATES: →	OIL - BBL:	GAS – MCF:	WATER - BBL:	PROD. METHOD: Pumping
CHOKE SIZE:	TBG. PRESS.	CSG. PR	ESS.	API GRAVITY 0.00	BTU – GAS 800	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS – MCF:	WATER - BBL:	INTERVAL STATUS:
	<u> </u>				INT	ERVAL B (As sho	wn in item #26)	<del></del>		<u> </u>	
DATE FIRST PRODUCED: TEST DATE: HOURS TESTED: TEST PRODUCTION OIL – BBL: RATES: →						OIL - BBL:	GAS MCF:	WATER - BBL:	PROD. METHOD:		
CHOKE SIZE:	TBG. PRESS.	CSG. PR	ESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:
*				-	INT	ERVAL C (As sho	wn in item #26)				
DATE FIRST PR	ODUCED:	TEST DA	TE:		HOURS TESTED	D:	TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PR	ESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	N OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:
					INT	ERVAL D (As sho	wn in item #26)			I	***************************************
DATE FIRST PR	ODUCED:	TEST DA	TE:		HOURS TESTED	D:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS - MCF:	WATER BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PR	ESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	N OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:
32. DISPOSITIO Surface p					ver, well is	dewatering	and an addition	onal sundry	/ notice will t	oe filed upor	n first sales.
33. SUMMARY	OF POROUS Z	ONES (Includ	e Aquife	rs):			3	34. FORMATION	(Log) MARKERS:		
Show all importar tested, cushion u	nt zones of poro sed, time tool o	sity and conte pen, flowing a	ents there ind shut-ii	of: Cored interva n pressures and r	is and all drill-sterr ecoveries.	n tests, including de	opth interval				
Formatio	on .	Top (MD)	Bott (MI		Descrip	tions, Contents, etc	).		Name		Top (Measured Depth)
Green Riv	er -										
Wasatch		0	87	9							
Tuscher/F	arrer	880	1,9	75							
Nelsen		1,976	2,8	87 Coal							
Sego		2,888	3,1	25							
							l				
35. ADDITIONA	L REMARKS (I	nclude plugg	ing proc	edure)						<u> </u>	
36. I hereby cer	tify that the for	egoing and a	ittached	information is co	omplete and corn	ect as determined	from all available rec	ords.			
NAME (PLEAS	E PRINT) Air	/in R. (A	l) Arlia	an			_ <sub>TiTLE</sub> Land	d Manager	- Western C	perations	
SIGNATURE _			-6		2			2/2005			
			-,								

This report must be submitted within 30 days of 
• completing or plugging a new well

- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
   significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests
- \* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to:

Utah Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax:

801-359-3940

### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

019	DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:  *See Below.
SUNDR	Y NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to dril drill horizonta	new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME: Displacement Point Unit
1. TYPE OF WELL OIL WELI	GAS WELL 🚺 OTHER	8. WELL NAME and NUMBER: Atchee Canyon 25-12-25 #4
2. NAME OF OPERATOR: CDX Rockies, LLC		9. API NUMBER: 4304735830
3. ADDRESS OF OPERATOR: 1801 Broadway, Suite 1060	PHONE NUMBE (303) 298	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1,150		соинту: Uintah
QTR/QTR, SECTION, TOWNSHIP, R/	ANGE, MERIDIAN: NENW 25 12S 25E	STATE: UTAH
11. CHECK APP	PROPRIATE BOXES TO INDICATE NATURE OF NOTIC	E, REPORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTI	ON
NOTICE OF INTENT (Submit in Duplicate)	A ACIDIZE DEEPEN	REPERFORATE CURRENT FORMATION
Approximate date work will start:	ALTER CASING FRACTURE TREAT  CASING REPAIR  NEW CONSTRUCTION	SIDETRACK TO REPAIR WELL
Approximate date work will start.		TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS OPERATOR CHANGE  CHANGE TUBING PLUG AND ABANDON	TUBING REPAIR
SUBSEQUENT REPORT		VENT OR FLARE
(Submit Original Form Only)		WATER DISPOSAL
Date of work completion:	CHANGE WELL STATUS PRODUCTION (START/RESU	
1/10/2005	COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL ST	<u> </u>
12. DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show all pertinent details including dates, d	
INITIAL COMPLETION		epuis, volumes, etc.
0.32" dia, total of 48 sho	5 Perforated 2,488' to 2,490', 2,482' to 2484', 2,473' to 2,	
Gel Fra	<ul> <li>500 gals 7-1/2% HCL,</li> <li>BJ Lighting 18</li> <li>100,000 #'s 20/40 Ottowa sand, Last 2 Stage w/ Flex 5d: Total Fluid Pumped 1,490 bbls.</li> </ul>	Sand RECEIVED
	vatering (see attached production report).	
	emporary gas sales line. 2,270' RKB - 2,258' GR.	MAR 2 3 2005
7. Rod testing well.	amaa dianaaal wall	DIV. OF OIL, GAS & MINING
Hauling water to Reta     A FINAL COMPLETION	ON REPORT WILL BE FILED WHEN WELL HAS DE-WA	
NAME (PLEASE PRINT) Alvin (Al	) R. Arlian TITLE Land M	anager - Western Operations
SIGNATURE	DATE 3/1/200	95

(This space for State use only)

## CDX Gas, LLC

**Daily Field Production Report** 

Month February-05

Well Name: ATCHEE CYN 25-12-25 #4

Location:

Meter Data:

Choke Size:

DATE	Gas Rate (mcfd)	Water Produced (bbl)	Prod well-tbg (psig)	Prod well-csg (psig)	Line Press (psia)	Comments
2/1/2005	0	126	:			Changed engine sheave, balance PU @ 9 spm
2/2/2005	0	218				
2/3/2005	0	208	:			Slight blow of gas off casing
2/4/2005	0	160				
2/5/2005	0	188				Slight blow of gas off casing
2/6/2005	0	188				Slight blow of gas off casing
2/7/2005	0	183				Light blow of gas off casing
2/8/2005	0	183				Light blow of gas off casing
2/9/2005	0	173				PU down. Probable oil leak
2/10/2005	0	0	-	:		Engine would not start. Mechanic called
2/11/2005	0	0				Down for engine repairs
2/12/2005	0	0	i			Down for engine repairs
2/13/2005	0	0				Down for engine repairs
2/14/2005	Õ	0				Down for engine repairs
2/15/2005	0	0				Down for engine repairs
2/16/2005	0	0	with the second second	one a second of the second of		Down for engine repairs
2/17/2005	0	0			6	Engine repaired. Started @ 6:30 pm
2/18/2005	0	110				No casing gas
2/19/2005	0	193				No casing gas
2/20/2005	0	193				1
2/21/2005	Ó	203	;	······································		Lt csg gas blow, pump @ 7 spm, inc to 9.5. Note: Test only no actual sales
2/22/2005	4	230				The state of the s
2/23/2005	6	223		4		
2/24/2005	5	177		3		Fluid level 1488
2/25/2005	0	145		1.5		10 1 2 Marian 1 Maria
2/26/2005	4	165		2		Confidence and the confidence of the confidence
2/27/2005	4	153		2		The second secon
2/28/2005	3	145	<u> </u>	1		and the control of th
Monthly Totals	26	3564				
Average	2	121	#DIV/0!	2	#DIV/01	

CDX Gas, LLC Daily Field Production Report

Month

January-05

Well Name: Meter Data: ATCHEE CYN 25-12-25 #4

Location: Choke Size:

DATE	Gas Rate (mcfd)	Water Produced (bbl)	Prod well-tbg (psig)	Prod well-csg (psig)	Line Press (psia)	Comments	No
1/1/2005							-
1/2/2005		:					
1/3/2005				· · · · · · · · · · · · · · · · · · ·		:	
1/4/2005						ong comment of the co	1
1/5/2005		;					
1/6/2005							1
1/7/2005							1
1/8/2005			N				1
1/9/2005							
1/10/2005		165				Estimated water production	
1/11/2005	and the second second	165				Estimated water production	
1/12/2005		295				Commission of the Commission o	
1/13/2005		147					
1/14/2005		152					
1/15/2005		168					
1/16/2005		125					
1/17/2005		115					1
1/18/2005		148					i
1/19/2005		146	talane and the motor				1
1/20/2005		92				Pumping Unit Down	1
1/21/2005		0				Pumping Unit Down	-
1/22/2005		. 0				Pumping Unit Down	1
1/23/2005		0				Pumping Unit Down	1
1/24/2005		0				Replaced head on pumping unit	1
1/25/2005		104					j
1/26/2005		134			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		ì
1/27/2005		122			,		:
1/28/2005		125					j
1/29/2005		137				The state of the s	1
1/30/2005		138					
1/31/2005		140					
		. See a see ann ann ann ann an ann an an a		and the second of the second	a a mark a contract of a contract		
lonthly	· · · · · · · · · · · · · · · · · · ·						
otals	0	2618	_			_	
	#DIV/0!		#DIV/0I	#DIV/0!	#DIV/0!		

Form 3160-5 (April 2004)

1. Type of We

Address

. Öil Well

1801 Broadway, Suite 1060 Denver, CO 80202

Location of Well (Footage, Sec., T., R., M., or Survey Description)
 1150' FNL 2283' FWL (NENW) Sec. 25-T12S-R25E

2. Name of Operator CDX Gas, LLC

TYPE OF SUBMISSION

Final Abandonment Notice

Notice of Intent

✓ Subsequent Report

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES A	ND	REPORTS	ON	WELLS
------------------	----	---------	----	-------

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

Other

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE

✓ Gas Well

Acidize

Alter Casing

Casing Repair

Change Plans

Convert to Injection

	FORM APPROVED OMB No. 1004-0137 Expires: March 31, 2007
	5. Lease Serial No.
	6. If Indian, Allottee or Tribe Name
	7. If Unit or CA/Agreement, Name and/or No.
	Displacement Point
	8. Well Name and No.
	Atchee Canyon 25-12-25 #4
	9. API Well No.
	43-047-35830
	<ol> <li>Field and Pool, or Exploratory Area</li> <li>Wildcat</li> </ol>
	11. County or Parish, State
	Uintah County, Utah
RI	EPORT, OR OTHER DATA
(Sta	rt/Resume) Water Shut-Off
	Well Integrity
	Other

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BLA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

3b. Phone No. (include area code)

TYPE OF ACTION

Production

Recomplete

Water Disposal

Temporarily Abandon

**✓** Reclamation

303-298-8211

Deepen

Plug Back

Fracture Treat

New Construction

Plug and Abandon

Preparing to close drilling pit.

Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY

14. I hereby certify that the foregoing is true and correct Name (Printed/Typed)			19,4,0	
Alvin R. (Al) Arlian	Title	Land Manage	r - Western Opera	tions
Signature Signature	Date		08/24/2005	
THIS SPACE FOR FEDERAL	OR	STATE OF	FICE USE	
Approved by		Title		Date
Conditions of approval, if any, are attached. Approval of this notice does not warrar certify that the applicant holds legal or equitable title to those rights in the subject less which would entitle the applicant to conduct operations thereon.	nt or ase	Office		, , , , , , , , , , , , , , , , , , , ,
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any States any false, fictitious or fraudulent statements or representations as to any matter	person withir	knowingly and its jurisdiction.	willfully to make to	any department or agency of the Linted

#### STATE OF UTAH

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.  1. TYPE OF WELL  OIL WELL  GAS WELL  OTHER	7. UNIT or CA AGREEMENT NAME: Displacement Point  8. WELL NAME and NUMBER: Atchee Canyon 25-12-25 #4
2. NAME OF OPERATOR:	9. API NUMBER:
CDXRockies LLC  3. ADDRESS OF OPERATOR:  TPHONE NUMBER:	4304735830  10. FIELD AND POOL, OR WILDCAT:
1801 Broadway, Suite 1060 CITY Denver STATE CO ZIP 80202 (303) 298-8211	Wildcat
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1150' FNL 2283' FWL	соинту: <b>Uintah</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 25 12S 25E	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REF	PORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate)  ACIDIZE  DEEPEN  DEEPEN  FRACTURE TREAT	REPERFORATE CURRENT FORMATION
	SIDETRACK TO REPAIR WELL
Approximate date work will start:  CASING REPAIR  NEW CONSTRUCTION  CHANGE TO PREVIOUS PLANS  OPERATOR CHANGE	TEMPORARILY ABANDON  TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)  CHANGE WELL STATUS  PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion:  COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER: Shutin
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATI	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, vo Shutin	olumes, etc.
m 2 11	ager-Western Operations
SIGNATURE DATE 0.29.	US
This space for State use only)	PECEIVED

AUG 29 2005

### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reented rill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.  1. TYPE OF WELL  OIL WELL  GAS WELL  OTHER	8. WELL NAME and NUMBER:
2. NAME OF OPERATOR:	Atchee Canyon 25-12-25 #4  9. API NUMBER:
Pioneer Natural Resources N5/55	4304735830
0.715511250 01 01 21 01 11	10. FIELD AND POOL, OR WILDCAT: Wildcat
4. LOCATION OF WELL  FOOTAGES AT SURFACE: 1150 FNL & 2283 FWL  QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 25 12S 25E	COUNTY: <b>Uintah</b>
	UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF N	IOTICE, REPORT, OR OTHER DATA
ACIDIZE  NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start:  CASING REPAIR  CHANGE TO PREVIOUS PLANS  CHANGE TUBING  PLUG AND ABANDO  CHANGE TUBING  PLUG AND ABANDO  CHANGE WELL NAME  CHANGE WELL STATUS  PRODUCTION (STATUS)  COMMINGLE PRODUCING FORMATIONS  RECLAMATION OF	TEMPORARILY ABANDON  TEMPORARILY ABANDON  TUBING REPAIR  VENT OR FLARE  WATER DISPOSAL  WATER SHUT-OFF  WELL SITE  OTHER:  Terrator of the Atchee Canyon 25-12-25 #4 well,
SIGNATURE DATE	/ice President, Western Division
APPROVED 3/29/06	RECEIVED
	IAN 2 5 2006

Division of Oil, Gas and Mining Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

DIV. OF OIL, GAS & MINING



## United States Department of the Interior

#### **BUREAU OF LAND MANAGEMENT**

Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155



IN REPLY REFER TO 3180 UT-922

January 26, 2006

Pioneer Natural Resources, USA, Inc. Attn: Lynn Luhmann 1401 17th Street, Suite 1200 Denver, Colorado 80202

Re:

Displacement Point Unit Uintah County, Utah

#### Gentlemen:

On January 25, 2006, we received an indenture dated October 1, 2005, whereby CDX Rockies, LLC resigned as Unit Operator and Pioneer Natural Resources, USA, Inc. was designated as Successor Unit Operator for the Displacement Point Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective January 26, 2006. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Displacement Point Unit Agreement.

Your Montana nationwide oil and gas bond No. MTB000041 will be used to cover all federal operations within the Displacement Point Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ David H. Murphy

David H. Murphy Acting Chief, Branch of Fluid Minerals

#### **Enclosure**

bcc:

Field Manager - Vernal (w/enclosure)

SITLA

Division of Oil, Gas & Mining

File - Displacement Point Unit (w/enclosure)

Agr. Sec. Chron Fluid Chron Central Files

RECEIVED
JAN 2 7 2006

UT922:TAThompson:tt:1/26/06

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL. GAS AND MINING

I	DIVISION OF OIL, GAS AND MI	NING		5. LEASE DE	SIGNATION AND SERIAL NUMBER:
SUNDRY	NOTICES AND REPORTS	S ON WEL	LS	6. IF INDIAN,	ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill n	ew wells, significantly deepen existing wells below cuaterals. Use APPLICATION FOR PERMIT TO DRILL I	rrent bottom-hole de	oth, reenter plugged wells, or to	7. UNIT or CA	AGREEMENT NAME:
1 TYPE OF WELL			als.		ME and NUMBER:
OIL WELL	GAS WELL V OTHER_			- Atchee	Cyn 25-12-25 #4
2. NAME OF OPERATOR: Pioneer Natural Resource				9. API NUMB 4-04735	
3. ADDRESS OF OPERATOR:	8		PHONE NUMBER:		ID POOL, OR WILDCAT:
	Ponver STATE CO ZIF	,80202	(303) 675-2719	Wildcat	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1150'	FNL 2283' FWL	E		county: (	Jintah
QTR/QTR, SECTION, TOWNSHIP, RAN	GE, MERIDIAN: NENW 25 12S 2	25 <b>X</b> V		STATE:	UTAH
11. CHECK APP	ROPRIATE BOXES TO INDICAT	TE NATURE	OF NOTICE, REP	ORT, OR O	THER DATA
TYPE OF SUBMISSION		1	YPE OF ACTION		
NOTICE OF INTENT	ACIDIZE	DEEPEN		REP	ERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTUR	E TREAT	SIDE	TRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	☐ NEW CON	STRUCTION	<b>✓</b> TEM	PORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATO	R CHANGE	TUB	NG REPAIR
	CHANGE TUBING	PLUG AND	ABANDON	☐ VEN	T OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BAC	К	☐ WAT	ER DISPOSAL
Date of work completion:	CHANGE WELL STATUS	PRODUCT	ION (START/RESUME)	☐ WAT	ER SHUT-OFF
·	COMMINGLE PRODUCING FORMATIONS	RECLAMA	TION OF WELL SITE	□ отн	ER:
1/9/2006	CONVERT WELL TYPE	RECOMPL	ETE - DIFFERENT FORMATIO	N	
12. DESCRIBE PROPOSED OR CO	OMPLETED OPERATIONS. Clearly show all	pertinent details i	ncluding dates, depths, volu	umes, etc.	
Please be advised that Pi 9, 2006.	oneer Natural Resources has ter	mporarily ab	andoned the Atchee	e Cyn 25-12	-25 #4 well as of January
It is Pioneers intention to	test this well and return it to prod	luction in 200	ne		
it is i ioneers intention to	test this well and return it to prod	iuction in 200			
NAME (PLEASE PRINT) Kallasand	lra M. Boulay	Ti	<sub>rLE</sub> Engineering Ar	nalyst	
1/11	1	"			
SIGNATURE X	1010	DA	TE 2/23/2006		
				RF	CEIVED
(This space for State use only)					
				FE	B 2 7 2006

DIV. OF OIL, GAS & MINING

### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL. GAS AND MINING

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:
	SEE ATTACHED LIST
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT OF CA AGREEMENT NAME:  Displacement Point
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: SEE ATTACHED LIST
2. NAME OF OPERATOR: CDX Rockies, LLC	9. API NUMBER: SEE ATTACH
3. ADDRESS OF OPERATOR:  1801 BROADYWAY #1060 CITY DENVER STATE CO ZIP 80202 PHONE NUMBER:  (303) 298-8211	10. FIELD AND POOL, OR WILDCAT: Wildcat
4. LOCATION OF WELL	· · · · · · · · · · · · · · · · · · ·
FOOTAGES AT SURFACE:	COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION
(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only)	WATER DISPOSAL
Date of work completion:  CHANGE WELL STATUS  PRODUCTION (START/RESUME)	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER:
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume	es etc
CDX Rockies, LLC designates Pioneer Natural Resources USA, Inc. as operator of the attack	
County Utah, effective December 22, 2005.	ched list of wells located in Uintah
Tohou E. Lombordi	
NAME (PLEASE PRINT) Tracy E. Lombardi TITLE Land/Engineering	J lech.
SIGNATURE MACY COMPANY DATE 2/28/2006	
——————————————————————————————————————	

Division of Oil, Gas and Mining Earlene Russell, Engineering Technician RECEIVED MAR 0 2 2006 CDX Rockies, LLC designates Pioneer Natural Resources USA, Inc. as operator of the attached list of wells located in Uintah County Utah, effective December 22, 2005.

API No.	<u>Location</u>	Lease No.	<u>Status</u>
43-047-35830	NENW 25-T12S-R25E	Fee	SI
43-047-35678	SWSW 22-T13S-R25E	UTU-73189	SI-Drilling
43-047-32602	SESW 24-T13S-R25E	UTU-72075	SI
43-047-32659	SWSE 15-T13S-R25E	UTU-70248	SI
43-047-32618	SENE 12-T13S-R25E	UTU-70247	SI
43-047-34297	SENE 35-T12S-R25E	UTU-70905	APD-Approved
43-047-36784	NWNW 14-T14S-R25E	UTU-72652	APD-Pending
	43-047-35830 43-047-35678 43-047-32602 43-047-32659 43-047-32618 43-047-34297	43-047-35830 NENW 25-T12S-R25E 43-047-35678 SWSW 22-T13S-R25E 43-047-32602 SESW 24-T13S-R25E 43-047-32659 SWSE 15-T13S-R25E 43-047-32618 SENE 12-T13S-R25E 43-047-34297 SENE 35-T12S-R25E	43-047-35830NENW 25-T12S-R25EFee43-047-35678SWSW 22-T13S-R25EUTU-7318943-047-32602SESW 24-T13S-R25EUTU-7207543-047-32659SWSE 15-T13S-R25EUTU-7024843-047-32618SENE 12-T13S-R25EUTU-7024743-047-34297SENE 35-T12S-R25EUTU-70905

Division of Oil, Gas and Mining

#### **OPERATOR CHANGE WORKSHEET**

ROUTING 1. DJJ

2. CDW

#### X Change of Operator (Well Sold)

The operator of the well(s) listed below has changed, effective:

Designation of Agent/Operator

12/22/2005

Operator Name Change

Merger

FROM: (Old Operator):				<b>TO:</b> ( New C	perator):	-		
N1860-CDX Rockies, LLC				N5155-Pionee	r Natural Re	sources		
1801 Broadway, Suite 1060				1401	17th St, Suit	e 1200		
Denver, CO 80202				Denve	er, CO 80202	2		
Phone: 1-(303) 298-8211				Phone: 1-(303	) 675-2719			
CA	No.			Unit:		DISPLAC	MENT PO	INT
WELL(S)								-
NAME	SEC	TWN	RNG	API NO	ENTITY	LEASE	WELL	WELL
					NO	TYPE	TYPE	STATUS
ATCHEE CYN 25-12-25 #4	25			4304735830	14371		GW	S
FED ATCHEE CYN 35-12-25	35			4304734297		Federal	GW	APD
DAVIS CANYON 12-13-25 1	12			4304732618	11970	Federal	GW	S
ATCHEE RIDGE 15-13-25 1	15			4304732659		Federal	GW	S
FED ATCHEE RIDGE 22-13-25	22	130S	250E	4304735678	14972	Federal	GW	DRL
ATCHEE RIDGE 24-13-25 1	24	130S	250E	4304732602	11963	Federal	GW	S
TENT CYN 4-14-14-25	14	140S	250E	4304736784		Federal	GW	APD
								1
					1			
					1			
		Ì						
			t —				<del></del>	

(R649-8-10) Sundry or legal documentation was received from the FORMER operator on: 1/25/2006
 (R649-8-10) Sundry or legal documentation was received from the NEW operator on: 3/2/2006

3. The new company was checked on the Department of Commerce, Division of Corporations Database on: 2/28/2006

4. Is the new operator registered in the State of Utah:

YES Business Number: 5738462-0143

5. If NO, the operator was contacted contacted on:

6a. (R649-9-2)Waste Management Plan has been received on:

6b. Inspections of LA PA state/fee well sites complete on:

6c. Reports current for Production/Disposition & Sundries on:

IN PLACE
ok
ok

7-5

<ol> <li>Federal and Indian Lease Wells: The BLM and or or operator change for all wells listed on Federal or Indian le</li> </ol>		
8. Federal and Indian Units: The BLM or BIA has approved the successor of unit opera	tor for wells listed on:	2/3/2006
<ol> <li>Federal and Indian Communization Agreement The BLM or BIA has approved the operator for all wells lived to the operator for all wells lived to the operator.</li> </ol>	` '	n/a
10. Underground Injection Control ("UIC") The Inject, for the enhanced/secondary recovery unit/project for	• -	IC Form 5, <b>Transfer of Authority to</b> isted on:n/a
DATA ENTRY:		
1. Changes entered in the Oil and Gas Database on:	3/29/2006	
2. Changes have been entered on the Monthly Operator Char	ge Spread Sheet on:	3/29/2006
3. Bond information entered in RBDMS on:	3/29/2006	
4. Fee/State wells attached to bond in RBDMS on:	3/29/2006	
5. Injection Projects to new operator in RBDMS on:	n/a	
6. Receipt of Acceptance of Drilling Procedures for APD/New	on: 3/2/2	006
FEDERAL WELL(S) BOND VERIFICATION:		
1. Federal well(s) covered by Bond Number:	MTB000041	
INDIAN WELL(S) BOND VERIFICATION:		
1. Indian well(s) covered by Bond Number:	n/a	
FEE & STATE WELL(S) BOND VERIFICATION	<b>V:</b>	
1. (R649-3-1) The NEW operator of any fee well(s) listed cover	ered by Bond Number	104319462
2. The FORMER operator has requested a release of liability fr The Division sent response by letter on:	om their bond on: <u>not</u>	yet
LEASE INTEREST OWNER NOTIFICATION:		
3. (R649-2-10) The <b>FORMER</b> operator of the fee wells has been of their responsibility to notify all interest owners of this characteristics.		-
COMMENTS:		

		STATE OF UTAH				FORM 9
		DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS AND MII			5. LEA	SE DESIGNATION AND SERIAL NUMBER:
	SUNDRY	NOTICES AND REPORTS	ON WEL	LS	6. IF II	NDIAN, ALLOTTEE OR TRIBE NAME:
Do n	not use this form for proposals to drill n drill horizontal la	7. UNIT OF CA AGREEMENT NAME: UTU 79759X				
1. TY	PE OF WELL OIL WELL		<del></del>			LL NAME and NUMBER:
2 NA	AME OF OPERATOR:			- <u>-</u>		nee Cyn 25-12-25 #4
		s USA, Inc., Attn: Kally Boulay			i	4735830
140		P Denver STATE CO ZIP	80202	PHONE NUMBER: (303) 675-2719		ELD AND POOL, OR WILDCAT: dcat
	OCATION OF WELL	ENII 2222 EWI				Ilintah
FC	DOTAGES AT SURFACE: 1150'	FNL 2283 FVVL			COUN	ry: Uintah
QT	TR/QTR, SECTION, TOWNSHIP, RAN	GE, MERIDIAN: NENW 25 12S 2	5E		STATE	: UTAH
11.	CHECK APP	ROPRIATE BOXES TO INDICAT	E NATURE (	OF NOTICE, REPO	RT, O	R OTHER DATA
	TYPE OF SUBMISSION		Τ\	PE OF ACTION		
	NOTICE OF INTENT	ACIDIZE	DEEPEN			REPERFORATE CURRENT FORMATION
	(Submit in Duplicate)	ALTER CASING	FRACTURE		닏	SIDETRACK TO REPAIR WELL
	Approximate date work will start:	CASING REPAIR	NEW CONS		片	TEMPORARILY ABANDON
		CHANGE TO PREVIOUS PLANS  CHANGE TUBING	OPERATOR PLUG AND A			TUBING REPAIR VENT OR FLARE
	SUBSEQUENT REPORT	CHANGE YOUNG	PLUG BACK		l <b>x</b> ∠	WATER DISPOSAL
ريون	(Submit Original Form Only)	CHANGE WELL STATUS		ON (START/RESUME)		WATER SHUT-OFF
	Date of work completion:	COMMINGLE PRODUCING FORMATIONS	<del></del>	ON OF WELL SITE	<b>7</b>	отнея: Return to pump
	· · · · · · · · · · · · · · · · · · ·	CONVERT WELL TYPE	RECOMPLE	TE - DIFFERENT FORMATION	•	
		DMPLETED OPERATIONS. Clearly show all p				
		oneer Natural Resources has retu	urned the Atc	hee Canyon 25-12-2	25 #4	to pump using the existing
aru	ificial lift previously inst	alled.				
dis		this well at this time. Water is be There has been no gas production Il vent the gas.				
						11:60k
NAME	E (PLEASE PRINT) Kallaseand	ra M. Boulay	TITLI	Engineering Anal	yst	
SIGN	ATURE HOLL.		DATE	6/8/2006		
This sp	APPI	ROVED BY THE STATE UTAH DIVISION OF			-	RECEIVED

(5/2000)

BY: Descriptions on Reverse Side) testing (see R649-3-20(2))

\* Ges shall not be flared before the necessary for testing (see R649-3-20(2))

\*\*DIV OF OH OADD

DIV. OF OIL, GAS & MINING



## **United States Department of the Interior**



BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
http://www.blm.gov

IN REPLY REFER TO: 3160 (U-922)

May 7, 2007

Pioneer Natural Resources USA Inc. 1401 17<sup>th</sup> Street, Suite 1200 Denver, CO 80202 Attn: Sharon Logan

Re:

Non-Paying Well Determination Atchee Canyon 25-12-25 #4 Displacement Point Unit Uintah County, Utah

#### Gentlemen:

Pursuant to telephone conversation between Sharon Logan and Lance Masoner, Pioneer Natural Resources, and Mickey Coulthard, Bureau of Land Management, it has been determined by this office that under existing conditions the following well is not capable of producing unitized substances in paying quantities as defined in Section 9 of the unit agreement.

API Number	Well Name	Location				Comp. Date	Lease			
4304735830	Atchee Cvn 25-12-25 #4	NENW	25	12.0	s	25.0	E	SLB&M	01/10/2005	FEE

Production from this well shall be handled and reported on a lease basis. If you have any questions contact Mickey Coulthard of this Office at (801) 539-4042.

Sincerely,

/s/ Larry Denny

Larry Denny Acting Chief, Branch of Fluid Minerals

RECEIVED

MAY 0 8 2007



## State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

September 3, 2008

CERTIFIED MAIL NO.: 7004 2510 0004 1824 6183

Ms. Joy Ziegler Pioneer Natural Resources 1401 17<sup>th</sup> ST., Suite 1200 Denver, CO 80202 43 047 35830 Atchee lyn 4-25-12-25 128 25E 25

Re: Extended Shut-in and Temporarily Abandoned Well Requirements for Wells on Fee or State Leases

Dear Ms. Ziegler:

As of July 2008, Pioneer Natural Resources (Pioneer) has three (3) State Mineral Lease Wells and six (6) Fee Lease Wells (see attachment A) in non-compliance with the requirements for extended shut-in or temporarily abandoned (SI/TA) status. Wells SI/TA beyond twelve (12) consecutive months require the filing of a Sundry Notice in accordance with R649-3-36-1 for Utah Division of Oil, Gas & Mining ("Division") approval. Wells with five (5) years non-activity or non-productivity shall be plugged, unless the Division grants approval for extended shut-in time upon a showing of good cause by the operator (R649-3-36-1.3.3).

Three of these wells have a dated history and a first notice has previously been sent out in regards to their SI/TA status. They are as follows: The State 21-10 well (API# 43-019-31390) - extended SI/TA status was requested by letter dated November 17, 2006. Extension was granted until August 1, 2007. The Division has received no further requests or information on this well. The Main CYN ST 8-2-15-22 well (API# 43-047-31135) - by sundry dated April 10, 2006 Pioneer said it planned to return the well to production. No production reports have been received to date. This well remains SI/TA. The Shimmin Trust 14-12-12-10 well (API# 43-007-30169) - by sundry dated January 25, 2006, Pioneer planned to Plug and Abandon (P&A) this well in early spring of 2006. Approval to P&A this well was given with conditions at that time. This well is still being reported as SI/TA. This is a Second Notice of Non-compliance for these three wells. Please address these matters promptly or a Notice of Violation will be issued. Please submit your plans to produce or plug the other 6 wells referenced in attachment A as well or further actions will be initiated.



Page 2 September 3, 2008 Ms. Ziegler

For extended SI/TA consideration the operator shall provide the Division with the following:

- 1. Reasons for SI/TA of the well (R649-3-36-1.1).
- 2. The length of time the well is expected to be SI/TA (R649-3-36-1.2), and
- 3. An explanation and supporting data if necessary, for showing the well has integrity, meaning that the casing, cement, equipment condition, static fluid level, pressure, existence or absence of Underground Sources of Drinking Water and other factors do not make the well a risk to public health and safety or the environment (R649-3-36-1.3).

Submitting the information suggested below may help show well integrity and may help qualify your well for extended SI/TA. Note: As of July 1, 2003, wells in violation of the SI/TA rule R649-3-36 may be subject to full cost bonding (R649-3-1-4.2, 4.3).

- 1. Wellbore diagram, and
- 2. Copy of recent casing pressure test, and
- 3. Current pressures on the wellbore (tubing pressure, casing pressure, and casing/casing annuli pressure) showing wellbore has integrity, and
- 4. Fluid level in the wellbore, and
- 5. An explanation of how the submitted information proves integrity.

If the required information is not received within 30 days of the date of this notice, further actions will be initiated. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely,

Dustin K. Doucet Petroleum Engineer

JP/js Enclosure

cc: Jim Davis, SITLA Wells File Compliance File

## ATTACHMENT A

	Well Name	API	Lease Type	Years Inactive
1	CASTLEGATE ST 11-16H	43-007-30961	ML-44443	2 Years 1 Month
2	STATE 21-10	43-019-31390	STATE	5 Years 9 Months
3	MAIN CYN ST 8-2-15-22	43-047-31135	STATE	26 Years 10 Months
4	SHIMMIN TRUST 14-12-12-10	43-007-301-69	FEE	7 Years 4 Months
5	SHIMMIN TRUST 3-14-12-10	43-007-30640	FEE	3 Years 2 Months
6	SHIMMIN TRUST 1-12-12-10	43-007-30674	FEE	1 Year 5 Months
7	JENSEN 2-10-12-10	43-007-30675	FEE	4 Years 0 months
8	SHIMMIN 11-14	43-007-30962	FEE	4 Years 0 Months
9	ATCHEE CANYON 25-12-25 #4	43-047-35830	FEE	2 Years 11 Months



GARY R. HERBERT
Lieutenant Governor

## State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

January 29, 2009

Ms. Joy Ziegler Pioneer Natural Resources 1401 17<sup>th</sup> ST., Suite 1200 Denver, CO 80202

43 047 35830 Hone Cyn 4-25-12-25 128 25E 25

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State

Leases dated September 3, 2008.

Dear Ms. Ziegler:

The Division of Oil, Gas and Mining (the Division) is in receipt of your letter dated October 8, 2008 in regards to the nine (9) shut-in or temporarily abandoned (SI/TA) wells (Attachment A) operated by Pioneer Natural Resources.

The Division does not object to the proposed work on the said wells. However, due to insufficient evidence the Division is unable to grant extended SI/TA status for these wells. Not enough data was received per R649-3-36 providing proof of integrity or lengths of time wells are expected to be shut-in. The Divisions preferred method of demonstrating well integrity is to perform an MIT. Please note, approval will be necessary prior to continuing with any planned work for these wells.

Please submit an individual sundry for each well along with required information to help expedite approval and documentation processes. If the required information is not received within 30 days of the date of this notice, further actions may be initiated. Please feel free to contact me at (801) 538-5281 concerning specific requirements to ensure all information is included with sundries.

Sincerely,

Dustin K. Doucet Petroleum Engineer

DKD/JP/js Enclosure

cc'

Jim Davis, SITLA Wells File Compliance File



## ATTACHMENT A

	Well Name	API	Lease Type	Years Inactive
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5	SHIMMIN TRUST 3-14-12-10	43-007-30640	FEE	3 Years 2 Months
6	SHIMMIN TRUST 1-12-12-10	43-007-30674	FEE	1 Year 5 Months
7	JENSEN 2-10-12-10	43-007-30675	FEE	4 Years 0 months
8	SHIMMIN 11-14	43-007-30962	FEE	4 Years 0 Months
9	ATCHEE CANYON 25-12-25 #4	43-047-35830	FEE	2 Years 11 Months

	FORM 9		
	DIVISION OF OIL, GAS AND MIN	NING	5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDRY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for proposals to drill ne drill horizontal lat	7. UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL OIL WELL	GAS WELL 🗹 OTHER _		8. WELL NAME and NUMBER: Atchee Canyon 4-25-12-25
2. NAME OF OPERATOR:			9. API NUMBER:
Pioneer Natural Resources	USA, Inc.		4304735830
3. ADDRESS OF OPERATOR: 1401 17th Street - Ste 1200 CITY	Denver STATE CO ZIP	80202 PHONE NUMBER: (303) 675-2663	10. FIELD AND POOL, OR WILDCAT: Wildcat
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1150' F	NL & 2283' FWL		соинту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANG	GE, MERIDIAN: NENW 25 12S 2	5E	STATE: UTAH
44 CHECK APPE	COPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
Date of work completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	✓ OTHER: Extend SI Status
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR CO	OMPLETED OPERATIONS. Clearly show all	pertinent details including dates, depths, volun	nes, etc.
Pioneer requests an exter recomplete the well. Recomplete	nsion to the SI status on the Atch ompletion is planned for 2010.	ee Canyon 4-25-12-15 well. We	are currently writing a procedure to
We propose to run a MIT early summer 2009 when	to prove the well integrity as stat weather and road conditions allo	ed in Rule R649-3-36-1.3. Plans	are to run the MIT in late spring
The MIT procedure will be	as follows:		
1) MIRU water truck w/tri	nley numn		
2) Install chart recorder of	on wellhead & second line on anr	nulus	
3) Load well with formation	on water		
4) Pressure up to 1000 p			COPY SENT TO OPERATOR
<ul><li>5) Record pressure for 36</li><li>6) RD &amp; release pump tro</li></ul>			Date: 3' 26:2009
,	ded to UDOGM via the field		Initials: KS
NAME (PLEASE PRINT) Joy A. Zie	egler	TITLE Senior Enginee	ring Tech
SIGNATURE GUA	Zuela	DATE 3/18/2009	
(This space for State use only APPF	OVED BY THE STAT	ances made	
OF	LITAH DIVISION OF		
OIL	, GAS, AND MINING	i	RECEIVED
DATE	*/ /9 5 'K) U	10.00	MAD 2 2 2000
(5/2000)	(Ség/	structions on Reverse Side)	MAR 2 3 2009
* Vale	1 through 7/1/200	9 to allow time form.	OF OIL, GAS & MINING

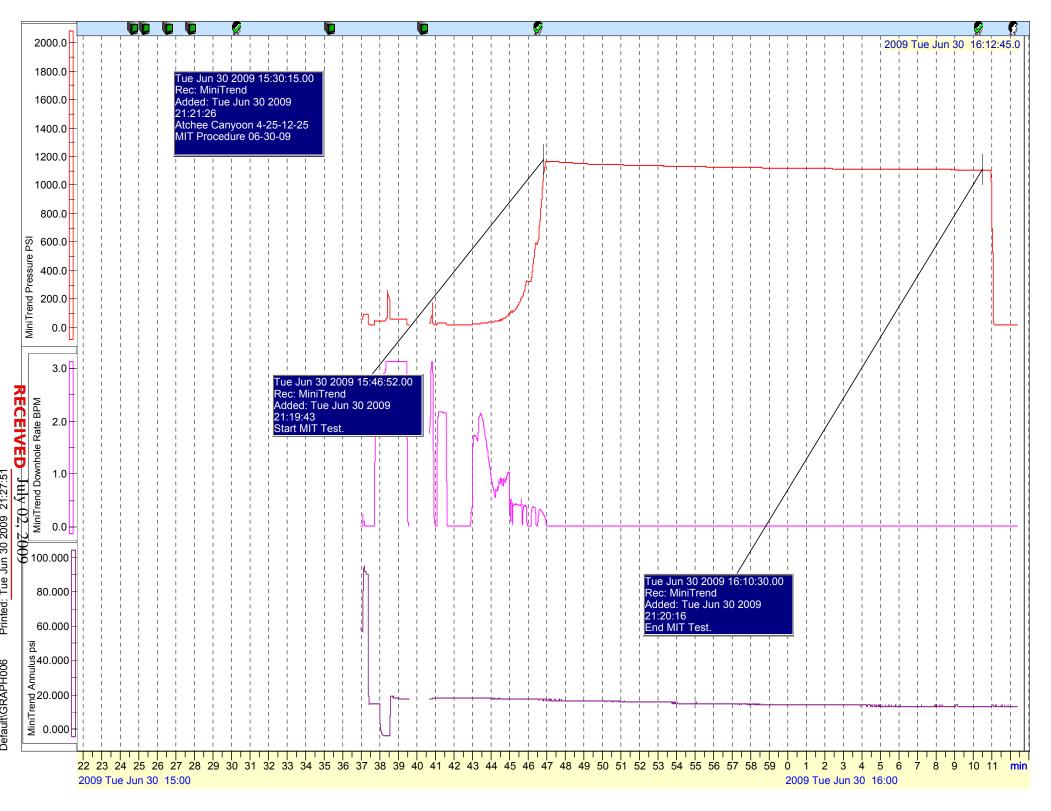


### **State Wellbore Rpt**

Well Name: Atchee Canyon 4-25-12-25

**Western Division** Area Block Numbe Well Profile: VERTICAL - Original Hole, 3/19/2009 11:32:31 AM ttKB (MD) COLUMBINE SPRINGS UNITAH UTAH Orig KB Elev (ft) 10/26/2004 3,125.0 QTR/QTR NENW 25 125 API/UWI PIONEER NATURAL RESRC USA, INC. 43-047-35830-0000 Perforations 595 2,356.0 2.174.0 Wellbores 622 Original Hole 12 1/4 0.0 622.0 879 1.271.0 8 3/4 622.0 6 1/4 1,271.0 3,125.0 **PBTDs** Depth (ftKB) 3,074.0 **Tubing Strings** Set Depth (ftKB) -2-1, Casing Joints, 7, 6,366, 0, 1,103.0 1,103 11/20/2004 2,258.0 8/11/2006 Tubing Components
Top (ftKB) Stm (ftKB) 4.60 0.0 2,258.0 J-55 2 3/8 1.995 1,271 Casing Strings Surface, 595.0ftKB 10/27/2004 9 5/8 Casing Joints 595.0 8.921 Intermediate, 1,103.0ftKB 1,976 11/10/2004 OD (in) 7 Casing Joints 1,103.0 6.366 25.4 J-55 2,174 Production, 3,124.0ftKB 11/18/2004 2,178 Btm (ftKB) Item Description 4 1/2 Casing Joints 3,124.0 4.000 Cement Surface Casing Cement, casing, 10/27/2004 17:30 Surface Casing Cement | 10/27/... | 10/27/... | Surface, 595.0ftKB | casing 1. 0.0-595.0ftKB Bottom (ftKB) 2,258 Top (ftKB) 0.0 595.0 Yes Amount (sacks) Density (lb/gal) 2.296 Yield (ft³/sack) Mix H20 Ratio (gal/sack) Amount Amt Units Conc Units 2,300 Intermediate Casing Cement, casing, 11/10/2004 15:30 Type Intermediate Casing 11/10/... 11/10/... Intermediate, casing 1,103.0ftKB Cement 1, 0.0-1,103.0ftKB Top (ftKB) Bottom (ftKB) Full Return? 0.0 2,337 nt (sacks) Density (lb/gal) Yield (ft³/sack) Mix H20 Ratio (gai/sack) Yield (ft³/sack) 2,353 Amount Amt Units Conc Units Production Casing Cement, casing, 11/18/2004 20:30 Type Production, casing **Production Casing** 11/18/... 11/18/... 3,124.0ftKB Cement 1, 0.0-3,124.0ftKB Bottom (ftKB) Top (ftKB) 0.0 Yield (ft³/sack) Density (lb/gal) Class Amount (sacks) 2,888 Mix H20 Ratio (gal/sack) Yield (ft³/sack) Amt Units | Conc Units Add 3,074 Jobs Start Date End Date RECOMPLETION PRODUCTION LOG 3-1, Casing Joints, 4 1/2, 4,000, 0, 3,124,0 3,124 Log well to determine coal saturation state. **Daily Operations** 3,125 Report Printed: 3/19/2009

STATE OF UTAH  DEPARTMENT OF NATURAL RESOURCES				FORM 9
	5.LEASE DESIGNATION AND SERIAL NUMBER:   FEE			
SUND	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
	sals to drill new wells, significantly deep ugged wells, or to drill horizontal laterals			7.UNIT or CA AGREEMENT NAME: DISPLACEMENT POINT
1. TYPE OF WELL Gas Well				8. WELL NAME and NUMBER: ATCHEE CANYON 4-25-12-25
2. NAME OF OPERATOR: PIONEER NATURAL RESOURCE	ES USA, INC			9. API NUMBER: 43047358300000
3. ADDRESS OF OPERATOR: 1401 17th Street, Suite 1200	, Denver, CO, 80202 3		PHONE NUMBER: -8100 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1150 FNL 2283 FWL QTR/QTR, SECTION, TOWNSHI	TO DANCE MEDITIAN.			COUNTY: UINTAH
	5 Township: 12.0S Range: 25.0E Meridia	ın: S		STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDIC	CATE NA	ATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION			TYPE OF ACTION	
	ACIDIZE		ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING	☐ CHANGE WELL NAME
	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
✓ SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	_ ı	FRACTURE TREAT	☐ NEW CONSTRUCTION
6/30/2009	OPERATOR CHANGE	_ ı	PLUG AND ABANDON	☐ PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	_ ı	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	☐ s	SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	□ <b>\</b>	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ s	SI TA STATUS EXTENSION	APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	1	OTHER	OTHER: MIT
Attached is the MIT	run on 6/30/09 for the Atch run on 6/30/09 for the Atch and held for 30 minutes - pressure off. Test pass	ee Ca monit	nyon 4-25-12-25 well. cored annulus and bled l Oi	
NAME (PLEASE PRINT) Joy A. Ziegler	<b>PHONE NUMB</b> 303 675-2663	ER	<b>TITLE</b> Senior Engineering Tech	
SIGNATURE N/A			<b>DATE</b> 7/2/2009	



## Division of Oil, Gas and Mining OPERATOR CHANGE WORKSHEET

ROUTING	ì
1. DJJ	

								2. CDW
X - Change of Operator (Well Sold)	Operator Name Change/Merger							
The operator of the well(s) listed below has ch			3/1/2010					
FROM: (Old Operator):				TO: ( New O	nerator).		-	
N5155-Pioneer Natural Resources USA, Inc.		•	Management, L	I.C				
1401 17th St, Suite 1200				i .		Blvd, Suite 2200	LC	
Denver, CO 80202				•	TX 75254	nva, Suite 2200		
Denver, 00 00202				Danas,	1A 13234			
Phone: 1 (303) 675-2610				Phone: 1 (918)	585-1650			
CA No	).			Unit:		DISPLACEM	ENT POI	NT
WELL NAME	SEC	TWN	RNG	API NO	ENTITY	LEASE TYPE	WELL	WELL
					NO		TYPE	STATUS
SEE ATTACHED LIST		<u> </u>			1		<u> </u>	
OPERATOR CHANGES DOCUMEN  Enter date after each listed item is completed  1. (R649-8-10) Sundry or legal documentation of the light of	was rec	eived f	rom the	NEW operator	on:	3/18/2010 3/18/2010 s Database on:		2/23/2010
4a. Is the new operator registered in the State of	Utah:		l	Business Numbe	er:	7591070-0161		
5a. (R649-9-2)Waste Management Plan has been	receive	d on:		- Requested			•	
5b. Inspections of LA PA state/fee well sites com	plete o	n:		n/a	<del>-</del>			
5c. Reports current for Production/Disposition &	-			ok	-			
6. Federal and Indian Lease Wells: The H			e RIA I		- merger na	ma changa		
or operator change for all wells listed on Fed					BLM	not yet	BIA	
7. Federal and Indian Units:	oral or i	ilididili .	104303	<b>711.</b>	DLIVI	. Mot yet	DIA	_
The BLM or BIA has approved the success	or of ur	nit oper	rator fo	r wells listed on	•	not yet		
8. Federal and Indian Communization A		-			•	100 900	•	
The BLM or BIA has approved the operato	_		•	•		n/a		
9. Underground Injection Control ("UIC					orm 5 Trai		ity to	
Inject, for the enhanced/secondary recovery							n/a	
DATA ENTRY:	ania pro	jeet 10	i tile ***	ater disposar we	11(3) 113100 0	11.	104	-
1. Changes entered in the Oil and Gas Databas	e on:			5/20/2010				
2. Changes have been entered on the Monthly (	)perate	or Cha	nge Sp	read Sheet on:	-	6/10/2010		
3. Bond information entered in RBDMS on:				5/20/2010	_			
4. Fee/State wells attached to bond in RBDMS of				5/20/2010	_			
5. Injection Projects to new operator in RBDMS				n/a	_			
6. Receipt of Acceptance of Drilling Procedures	for AF	D/Nev	v on:		n/a			
BOND VERIFICATION:								
1. Federal well(s) covered by Bond Number:				UTB000427	-			
2. Indian well(s) covered by Bond Number:			_	<u>n/a</u>	-			
3a. (R649-3-1) The <b>NEW</b> operator of any state/		` '		•	umber	B005552 & B005635		
3b. The <b>FORMER</b> operator has requested a release			from th	neir bond on:	n/a			
LEASE INTEREST OWNER NOTIFI								
4. (R649-2-10) The <b>NEW</b> operator of the fee well of their responsibility to notify all interest own					by a letter from 6/10/2010	om the Division		
COMMENTS.						<del></del>		
COMMENTS:								

#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL. GAS AND MINING

	DIVISION OF OIL, GAS AND MIN	IING	5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDR	Y NOTICES AND REPORTS	ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill drill horizontal	new wells, significantly deepen existing wells below curre laterals. Use APPLICATION FOR PERMIT TO DRILL for	ent bottom-hole depth, reenter plugged wells, or to rm for such proposals.	7. UNIT or CA AGREEMENT NAME:
TYPE OF WELL OIL WELL	. GAS WELL 🗹 OTHER _		8. WELL NAME and NUMBER: See Attached List
2. NAME OF OPERATOR:			9. API NUMBER:
Foundation Energy Mana 3. ADDRESS OF OPERATOR:	igement, LLC	PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
14800 Landmark Blvd Ste 220	TY Dallas STATE TX ZIP 7	72254 (918) 585-1650	10. FIELD AND POOL, OR WIEDCAT:
4. LOCATION OF WELL			•
FOOTAGES AT SURFACE:			COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RAI	NGE, MERIDIAN:		STATE: UTAH
11. CHECK APP	ROPRIATE BOXES TO INDICATE	E NATURE OF NOTICE, REP	ORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	✓ OPERATOR CHANGE	TUBING REPAIR
Z SUBSEQUENT REPORT	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
Date of work completion:	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
1/1/2010	COMMINGLE PRODUCING FORMATIONS  CONVERT WELL TYPE	RECLAMATION OF WELL SITE RECOMPLETE - DIFFERENT FORMATION	OTHER:
12 DESCRIPE PROPOSED OF O			
	OMPLETED OPERATIONS. Clearly show all pe		
wells Foundation Energy Mana	gement, LLC. has acquired all of F y Management, LLC. assumed ope	Pioneer Natural Resources US	A, Inc.'s interest in the attached list o
wond. I duridation Energy	y Management, LLO. assumed ope	rations of these wells off Maid	11 1, 2010.
Betty Brownson Attorney-In-Fact Pioneer Natural Resource	0,000	Joel P. Sauer Vice President Foundation Energy Ma	unagement, LLC.
1401 17th Street - Suite 1 Denver, CO 80202 Telephone: 303-675-2610 Fax: 303-294-1255		14800 Landmark Blvd. Dallas, Texas 75254 UDOGM Bond No. <b>XXX</b> UT Trust Lands: B005- Telephone: 918-585-1 Fax: 918-585-1660	355533 B005552 & B005635 499 BLM Bond No UTB000427
NAME (PLEASE PRINT) JOE! P. SE	auer	Vice President	2010 RECEIVED
	APPROVED 5	120,2010	
(This space for State use only)	Car Dana K		MAR 1 8 2010

Carlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

DIV. OF OIL, GAS & MINING

### Pioneer Natural Resoures (N5155) to Foundation Energy Management (N3655) EFFECTIVE March 1, 2010

well_name	sec	twp	rng	api	entity	lease	type	stat	C
RAT HOLE CYN UNIT 1 7-8-14-25	08	140S	250E	4304730325	16219	Federal	GW	S	
DRY BURN U 1 1-29-13S-25E	29	130S	250E	4304730331	16218	Federal	GW	S	
ATCHEE RIDGE 24-13-25 1	24	130S	250E	4304732602	11963	Federal	GW	S	1
DAVIS CANYON 12-13-25 1	12	130S	250E	4304732618	11970	Federal	GW	P	
ATCHEE RIDGE 15-13-25 1	15	130S	250E	4304732659	11962	Federal	GW	S	1
FED ATCHEE RIDGE 22-13-25	22	130S	250E	4304735678	14972	Federal	GW	OPS	C
ATCHEE CANYON 4-25-12-25	25	120S	250E	4304735830	14371	Fee	GW	S	Т
UTCO FEE 23C-25-12-25	25	120S	250E	4304738252	15816	Fee	GW	OPS	C

1

1 TYPE OF WELL

2 NAME OF OPERATOR:

Foundation Energy

3 ADDRESS OF OPERATOR:

14800 Landmark Blvd.

TYPE OF SUBMISSION

NOTICE OF INTENT

(Submit in Duplicate)

Approximate date work will start.

1. LOCATION OF WELL

11.

 $\checkmark$ 

OIL WELL

FOOTAGES AT SURFACE: 1150' FNL, 2283' FWL

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 25

CITY Dallas

ACIDIZE

ALTER CASING

CASING REPAIR

CHANGE TO PREVIOUS PLANS

FORM 9

5. LEASE DESIGNATION AND SERVAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME;

8. WELL NAME and NUMBER: Atchee Canyon 25-12-25 #4

**UTAH** 

REPERFORATE CURRENT FORMATION

SIDETRACK TO REPAIR WELL

TEMPORARILY ABANDON

TUBING REPAIR

7. UNIT OF CA AGREEMENT NAME

10, FIELD AND POOL, OR WILDCAT:

Displacement Point

NA

PHONE NUMBER:

TYPE OF ACTION

(972) 934-8385

9. API NUMBER:

Wildcat

STATE

4304735830

county: Uintah

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

To not use this form for proposels to drill new wells, significantly deopen existing wells below current bottom-hole depth, resoler plugged walls, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form

OTHER,

STATE TX

21P 75254

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

DEEPEN

FRACTURE TREAT

NEW CONSTRUCTION OPERATOR CHANGE

GAS WELL 🗹

12.					PLUG AND ABANDON PLUG BACK PRODUCTION (START/RESUME; RECLAMATION OF WELL SITE RECOMPLETE - DIFFERENT FORMATION Int details including dates, dispths, volumes,		VENT OR FLARE WATER DISPOSAL WATER SHUT-OFF OTHER:
Fo	oundation Energy plans t	o P	AA the above well per the att	ache	ed procedure.		
		•			Å,		COPY SENT TO OPERATOR  Date: 6/10/2010  Initials: KS
		,	Rich Rich		DATE S/24/10	<u>.e</u>	Bufferintendant
(5/2005)	OF UOIL,	JT/G/	16127	'uc'lona	on Reverse Side) (Attached)		RECEIVED  MAY 2 6 2010  DIV. OF OIL, GAS & MINING

## P&A Procedure Atchee Canvon 4-25-12-25

9 5/8" @ 595' TOC @ Surface 7" @ 1,103' TOC @ 236' 4 1/2" @ 3,124' TOC 661'

Perfs: 2,174'-2,358'

Prior to MI check deadmen and blow down well MIRU POH with tubing RIH with bit to 2,000' POH RIH with CICR and set at 2,000' Spot 40 sacks of cement under and 10 on top of the retainer Roll hole with produced water, and pressure test casing If pressure test fails, call for orders. POH to 1,150' Spot 20 sacks balanced plug POH to 100' circulate cement to surface Cut off wellhead Run 1" into 7" x 4 1/2" annulus to 50' and circulate cement to surface Run 1" into 7" x 9 5/8" annulus to 50' and circulate cement to surface Top off cement if necessary Weld on a plate

All cement is 15.8# class G neat

RECEIVED

MAY 2 6 2010

DIV. OF OIL, GAS & MINING



## State of Utah

#### DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

# CONDITIONS OF APPROVAL TO PLUG AND ABANDON WELL

Well Name and Number:

Atchee Canyon 4-25-12-25

API Number:

43-047-35830

Operator:

Foundation Energy Management LLC

Reference Document:

Original Sundry Notice dated May 24, 2010,

received by DOGM on May 26, 2010.

#### **Approval Conditions:**

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.
- 2. All balanced plugs shall be tagged to ensure that they are at the depth specified.
- 3. All annuli shall be filled from a minimum of 50' to surface.
- 4. Surface reclamation shall be done in accordance with R649-3-34 Well Site Restoration.
- 5. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.
- 6. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.
- 7. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.

Dustin K. Doucet

June 9, 2010

Date

Petroleum Engineer



TD:

3124 TVD:

3124 PBTD:

3074

API Well No: 43-047-35830-00-00 Permit No: Well Name/No: ATCHEE CANYON 4-25-12-25 Company Name: FOUNDATION ENERGY MANAGEMENT LLC Location: Sec: 25 T: 12S R: 25E Spot: NENW **String Information Bottom** Diameter Weight Length Coordinates: X: 665540 Y: 4401581 String (ft sub) (lb/ft) (inches) (ft) Field Name: WILDCAT 595 HOL1 12.25 County Name: UINTAH **SURF** 595 9.625 36 595 HOL<sub>2</sub> 1103 8.75 1103 23 1103 Plug # 3
HO

(00'/(L15)(11.459)=85x req. TI HOL3 3124 6.25 PROD 3124 4.5 11.6 11.459 3124 2258 2.375 Cement from 595 ft. to surface Surface: 9.625 in. @ 595 ft. Hole: 12.25 in. @ 595 ft. **Cement Information** BOC TOC String Class Sacks (ft sub) (ft sub) Cement from 1103 ft. to surface 11 50 105 1103 0 Intermediate: 7 in. @ 1103 ft. I1 1103 G 300 Hole: 8.75 in. @ 1103 ft. PROD 3124 50 315 Plug # 2 (2054)(LIS)(LL459)=263' TOCE 587 1150 **SURF** 595 G 300 **Perforation Information** Top **Bottom** Shts/Ft No Shts Dt Squeeze (ft sub) (ft sub) 2490 Cement from 3124 ft. to surface Tubing: 2.375 in. @ 2258 ft/ Formation Information **Formation** Depth **MVRD** 880 **SEGO** 2888 2490 Production: 4.5 in. @ 3124 ft. SEGO Hole: 6.25 in. @ 3124 ft.

Page 1

#### FORM 9

#### STATE OF UTAH

	ı	DEPARTMENT OF NATURAL RESOURDIVISION OF OIL, GAS AND MI					EASE DESIGNATION AND SERIAL NUMBER:
	SUNDRY	NOTICES AND REPORTS	S O	N WEL	LS		INDIAN, ALLOTTEE OR TRIBE NAME:
Do	not use this form for proposals to drill n drill horizontal la	new wells, significantly deepen existing wells below cur aterals. Use APPLICATION FOR PERMIT TO DRILL f	rent bo	ttom-hole dep	th, reenter plugged wells, or to	7. U	NIT or CA AGREEMENT NAME:
	YPE OF WELL OIL WELL	Δ	8. WELL NAME and NUMBER: Atchee Canyon 25-12-25- #4				
F	ame of operator: oundation Energy Mana		3-047-35830				
148		Y Dallas STATE TX ZIP	752	54	PHONE NUMBER: (970) 675-2034		FIELD AND POOL, OR WILDCAT: hiskey Creek
	OCATION OF WELL OOTAGES AT SURFACE: 1150'	FNL 2283' FWL				cou	мту: Uintah,
Q	TR/QTR, SECTION, TOWNSHIP, RAN	IGE, MERIDIAN: NENW 25 12 <b>\$</b> 2	:5 <b>E</b>			STA	re: UTAH
11.		ROPRIATE BOXES TO INDICAT	ΈN	ATURE	OF NOTICE, REPO	PRT,	OR OTHER DATA
	TYPE OF SUBMISSION		_		YPE OF ACTION		
	NOTICE OF INTENT	ACIDIZE		DEEPEN		Ļ	REPERFORATE CURRENT FORMATION
	(Submit in Duplicate)  Approximate date work will start:	ALTER CASING	닏	FRACTURE		Ļ	SIDETRACK TO REPAIR WELL
	Approximate date work will start.	CASING REPAIR	님	NEW CONS		_	TEMPORARILY ABANDON
		CHANGE TO PREVIOUS PLANS		OPERATOR		L	TUBING REPAIR
<b>7</b>	SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE TUBING		PLUG AND		Ļ	VENT OR FLARE
<u>v</u>		CHANGE WELL NAME		PLUG BACK		Ļ	WATER DISPOSAL
	Date of work completion:	CHANGE WELL STATUS	Ц		ON (START/RESUME)	Ļ	WATER SHUT-OFF
		COMMINGLE PRODUCING FORMATIONS	Щ		ION OF WELL SITE	L	OTHER:
12.	DESCRIBE PROPOSED OF CO	CONVERT WELL TYPE  DMPLETED OPERATIONS. Clearly show all p	ortino		TE - DIFFERENT FORMATION		
	Well has been plugged Completed on 8/09/20						
					F	REC	EIVED
						DEC	2 1 2010
					DIV. C	F OIL,	GAS & MINING
NAM	E (PLEASE PRINT) Wanda V	an Wagoner		TITL	E Operations Assi	stant	
SIGNATURE Wanda Van Wagoner DATE 12/10/2010							

(This space for State use only)

Western Wellsite Services

17509 CR 14 Fort Morgan, Co 80701

970-867-9007

Operator: Foundation Energy

Date: 8-9-10

Well name: Atchee canyon 25-12-25 #4

#### MIRU, NDWH, NUBOP

PU bit and TIH to 1998', TOH, LD bit, PU CICR TIH and set at 1998', Pressure test tubing held, Pressure test casing held, Zero rate into perfs, Load hole with 50bls production water with corrosion inhibitor, Mix and pump 10sxs class G cement, TOH to 1152', Mix and pump 20sxs class G cement, TOH,

Dig out wellhead, Cut off wellhead, Fluid level at 120' in 4.5", Fluid level at 70' between 4.5" and 7" annulus, cement to surface in surface annulus, Mix and pump 25sxs class G cement to fill all annuli, Weld on info plate, RDMO

55 total sxs cement

2179' tubing recovered from well

Sate hand on location was Dave Hackford

Thanks,

Adam Chastain

RECEIVED
DEC 2 1 2010

DIV. OF OIL, GAS & MINING

## STATE OF UTAH

C	5. LEASE DESIGNATION AND SERIAL NUMBER: FEE			
SUNDRY	NOTICES AND REPORTS	S ON WELI	LS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	w wells, significantly deepen existing wells below cur erals. Use APPLICATION FOR PERMIT TO DRILL f	rrent bottom-hole depti form for such proposal	n, reenter plugged wells, or to s.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL	8. WELL NAME and NUMBER: Atchee Canyon 4-25-12-25			
2. NAME OF OPERATOR: Foundation Energy Manage	ement LLC			9. API NUMBER: 4304735830
3. ADDRESS OF OPERATOR: 1801 Broadway	Denver Grand Co	80202	PHONE NUMBER: (303) 861-0504	10. FIELD AND POOL, OR WILDCAT: Wildcat
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1150' F	NL & 2283' FWL			соинту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANG	SE MERIDIAN: NENW 25 12S 2	?5E		STATE: UTAH
11. CHECK APPR	OPRIATE BOXES TO INDICAT	TE NATURE (	OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION		TY	PE OF ACTION	
✓ NOTICE OF INTENT	ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTURE	TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CONST	TRUCTION	TEMPORARILY ABANDON
8/1/2011	CHANGE TO PREVIOUS PLANS	OPERATOR	CHANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND A	BANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK		WATER DISPOSAL
Date of work completion:	CHANGE WELL STATUS	PRODUCTIO	N (START/RESUME)	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE				OTHER:
***************************************	CONVERT WELL TYPE	RECOMPLE	TE - DIFFERENT FORMATION	
Foundation Energy Manag	ement plans to reclaim the lease	e site and lea	C	Accepted by the Utah Division of bil, Gas and Mining R RECORD ONLY
NAME (PLEASE PRINT) Max Ropsh	naw	TITL	Operations	
SIGNATURE MAN BYPL	aur	6/29/2011		
				NED

(This space for State use only)

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#### **Foundation Energy Management, LLC**

#### Standard Surface Reclamation Plan

Foundation Energy Management (FEM) requests permission to start surface reclamation of the well pad after plugging and abandonment operations per the following guidelines.

#### Stage #1: Dirt work and pad preparation

- A. Contact BLM and the state agency 24 hours prior to start of surface dirt work.
- B. Take the existing well pad back to natural repose as close as possible.
- C. If there are no existing well pads or public permitted access beyond this well, the access road will be reclaimed back to natural repose as close as possible.
- D. If topsoil pile is present, topsoil will be spread evenly across the reclaimed pad. If no stored stock pile of topsoil is present, we will use the soil at the bottom of the fill side of the location for topsoil.
- E. Storm water control contour ditches will be cut on a level plain to control erosion and sediment flows from the pad. Contour ditch dimension will be 12 inches deep, 6 inches tall, totaling 18 inches minimum, 18 inches deep and 8 to 10 inches totaling 26 to 28 inches maximum from top to bottom. Should the contour ditches still be visible at a time when 80% revegetation has been established, FEM will reclaim the ditches and reseed prior to submission of the FAN notice. All storm water BMPs will comply with the state agency, CDPH&E and Onshore Order #1. Stormwater management practices will be dictated by the individual constraints, such as: topsoil and sub-soil types, aspect, slope, length of slope and average precipitation. However, typical stormwater management practices include surface roughening via ripped furrows on contour and other flow controls. Stormwater management practices and BMP's will be implemented in such a way so that no additional maintenance will be necessary at the time of Final Abandonment. If road reclamation is needed, stormwater BMP's will be used in the restored natural drainage to control erosion and sediment flows.
- F. All seed beds will be prepared by contour ripping of the cut surface to 12 to 18 inches in depth. Contours will be shaped t natural repose of the reclaimed surface. Seeding will take place within 24 hours of completion of the dirt work, weather permitting. Should weather conditions or any unforeseen problems arise, the surface will be disked up prior to seeding. Seed depth will be drilled to a minimum depth of 0.25 inches and maximum 0.50 inches.
- G. The gathering line will be dug down and capped to isolate it from the transport line. The original gathering line will be abandon in place so as not to disturb established natural vegetation of the right of way.

#### Stage #2: Seeding of site

- A. FEM will drill where possible or broadcast and drag on steeper slopes where drilling is not safe.
- B. All seed weight will be calculated in pounds per acre. Any area in which broadcasting and dragging of the seed is needed, it will be done at double the seed per acre. Broadcast and drag will only be used if the steepness of the topography will not allow for drilling.
- C. All seed will be certified weed free and pure live seed rated per BLM standards.
- D. All seed tags will be submitted with the sundry notice describing completed work within 14 days of completion of the work.
- E. In the event the BLM recommended seed mix does not match the site specific eco-tone and/or habitat type, FEM will request a site specific seed mix from the BLM.
- F. In the event a seed type and/or cultivar is not available, due to market price, crop failure and/or being phased out, due to more viable varieties, FEM will request a viable substitution from the BLM.
- G. Seeding may need to be repeated until successful. FEM will monitor and ensure successful vegetation establishment and notify the BLM via FAN when success has been achieved and the location is ready for final inspection.

#### III. Stage #3: Weed Management

- A. FEM will monitor and control and reduce the spread of noxious weed species for the life of the project until FAN is approved.
- B. Inspections for noxious weeds will be done monthly in conjunction with the Storm Water Management inspections.
- C. FEM will insure that approved Pesticide Use Permits are in proper order prior to any application of herbicides.
- D. FEM may use mechanical weed removal where it is appropriate to prevent damage to desired plant life.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

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12 DESCRIBE PROPOSED OR C			
	OMPLETED OPERATIONS. Clearly show all p		
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			COPY SENT TO OPERATOR
			Date: ## 2 1 2011
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Ву:	4- June		
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NAME (PLEASE PRINT) Max Rops	haw	TITLE Operations	
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