orm 3160-5 une 2015)	UNITED STAT DEPARTMENT OF THE BUREAU OF LAND MAT	INTERIOR JUL 2	FO OM Expir 5. Lease Serial No.	RM APPROVED B No. 1004-0137 es: January 31, 2018
Do not use	ORY NOTICES AND REF this form for proposals well. Use Form 3160-3 (to drill or to re-enter a		ribe Name
	IIT IN TRIPLICATE - Other inst	tructions on page 2	7. If Unit of CA/Agreem NMNM 135255A	ent, Name and/or No.
. Type of Well ⊠Oil Well	Gas Well Other		8. Well Name and No. Kimbeto Wash Unit 77	он
Name of Operator nduring Resources IV, LLC			9. API Well No. 30-045-35755	
a. Address 32 Cr 3100 Aztec, NM 87	410	3b. Phone No. (include area co 505-636-9743	de) 10. Field and Pool or Exp Basin Mancos	bloratory Area
Location of Well (Footage, Se IL: 409' FSL & 1115' FEL S IL: 330' FNL & 1200' FEL S		ι 1)	11. Country or Parish, St San Juan, NM	ate
12	CHECK THE APPROPRIATE	BOX(ES) TO INDICATE NATUR	RE OF NOTICE, REPORT OR OTHER	R DATA
TYPE OF SUBMISSION		ТУ	TPE OF ACTION	
Notice of Intent	Acidize	Deepen	Production (Start/Resume)	Water ShutOff
	Alter Casing	Hydraulic Fracturing	Reclamation	Well Integrity
Subsequent Report	Casing Repair	New Construction	Recomplete	Other CHANGE IN PLANS
Final Abandonment Notice	Change Plans	Plug and Abandon	Temporarily Abandon	
	Convert to Injection	Plug Back	☐ Water Disposal	
			of any proposed worybk and approximate du	

is ready for final inspection.)

Enduring Resources IV, LLC requests a change in plans for the casing program and to drill, complete and equip a single lateral in the Mancos Silt formation per attached updated:

C102 Wellbore	MMOCD	
Drill plan Ops plan	AUG 1 4 2018	
14. I hereby certify that the foregoing is true and correct. Name (<i>Printed/Typed</i>)	DISTRICT II	
Lacey Granillo	Title: Permit Specialist	
Signature	Date: 7/24/18	
THE SPACE FOR FEDE	RAL OR STATE OFICE USE	
Approved by	Title PE	Date 8/13/18
Conditions of approval, if any, are attached. Approval of this notice does not warrant certify that the applicant holds legal or equitable title to those rights in the subject lear which would entitle the applicant to conduct operations thereon.		1.4
Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any any false, fictitious or fraudulent statements or representations as to any matter within		my department or agency of the United States

ADHERE TO PREVIOUS NMOUDNMOCDCONDITIONS OF APPROVAL

14

District I 1625 N. French Drive, Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First Street, Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III 1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV

District IV 1220 S. St. Francis Drive, Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & tural | rces Depart

Depart t Revised Aug

OIL CONSERVATION DIVISION 1220 South St. Francis Drive Santa Fe, NM 87505 Revised August 1, 2011 Submit one copy to Appropriate District Office

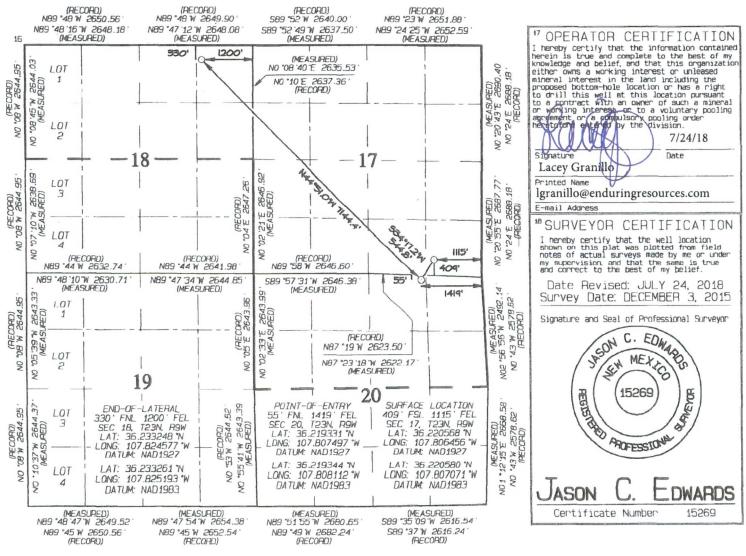
Form C-102

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	PI Number	1		*Pool Cod			*Pool Name				
30-045-357	55			97232			BASIN MAN	COS			
'Property	Code				[®] Property	/ Name			• We	11 Numbe	er
32123	9				KIMBETO W	ASH UNIT				770H	
'OGRID N	ło.				[®] Operator Name [®] Elevation					1	
37228	6			EN	DURING RES	SOURCES, LLC				6561'	
					¹⁰ Surface	Location					
UL ar lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West	t line	Ca	unty
P	17	NES	9W		409	SOUTH	1115	EAS	ST	SAN	JUAN
		1	¹ Botto	m Hole	Location I	f Different I	From Surfac	е			
UL or lot no.	Section	Township	Range	Lat Idn	Feet from the	North/South line	Feet from the	East/West	t line	Co	unty
A	18	NE2	9W		330	NORTH	1200	EAS	ST	SAN	JUAN
Pedicated Acres 1279.88	N,	ntire Se /2 - Se /2 - Se	ction	18	¹³ Joint ar Infill	¹⁴ Consolidation Code	¹⁵ Order No. R-	-14084			

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





ENDURING RESOURCES IV, LLC 1050 SEVENTEENTH STREET, SUITE 2500 DENVER, COLORADO 80265

DRILLING PLAN: Drill, complete, and equip single lateral in the Mancos Silt formation

WELL INFORMATION:

Name:	Kimbeto Wa	sh Unit 770H				
API Number:	30-045-					
State:	New Mexico					
County:	San Juan					
Surface Elevation:	6,561	ft ASL (GL)	6,583	ft ASL (KB)		
Surface Location:	17-23N-09W	Sec-Twn-Rng	409	ft FSL	1,115 ft FEL	
	36.22058	° N latitude	107.807071	° W longitude	(NAD 83)	
BH Location:	18-23N-09W	Sec-Twn-Rng	330	ft FNL	1,200 ft FEL	
	36.233261	$^{\circ}$ N latitude	107.825193	° W longitude	(NAD 83)	
Driving Directions:	From the inter	rsection of US H	WY 550 and U	S HWY 64 in Blo	omfield, NM: South on US HWY 550	for 35.9 miles to MM
	1157 sight /0	authurset) at Ma	anani Dest Offi	00 00 CD 7000 4	or O A miles to A way intersection, d	traight (couthwast)

115.7, right (southwest) at Nageezi Post Office on CR 7800 for 0.4 miles to 4-way intersection; straight (southwest) exiting CR7800 and continuing on 7820 for 0.6 miles to fork in road, right (southwest) on 7820 for 1.1 miles to 4-way intersection, straight (southwest) for 2.7 miles to existing access road for Kimbeto Wash 771H well.

GEOLOGIC AND RESERVOIR INFORMATION:

ognosis:	Formation Tops	TVD (ft ASL)	TVD (ft KB)	MD (ft KB)	O/G/W	Pressure
	Ojo Alamo	6,438	145	145	W	normal
	Kirtland	6,341	242	242	W	normal
	Fruitland	6,081	502	502	G, W	sub
	Pictured Cliffs	5,731	852	853	G, W	sub
	Lewis	5,526	1,057	1,061	G, W	normal
	Chacra	5,341	1,242	1,251	G, W	normal
	Cliff House	4,336	2,247	2,316	G, W	sub
	Menefee	4,321	2,262	2,332	G, W	normal
	Point Lookout	3,331	3,252	3,385	G, W	normal
	Mancos	3,051	3,532	3,681	O,G	normal
	Gallup (MNCS. A)	2,826	3,757	3,913	0,G	normal
	MNCS_SILT (Target Depth)	2,487	4,096	4,713	O,G	normal
	PROJECTED WELL TD	2,447	4,136	11,858	O,G	normal

Surface: Nacimiento

Oil & Gas Zones: Several gas bearing zones will be encountered; target formation is the Gallup

Pressure: Normal pressure gradient (0.43 psi/ft) anticipated in all formations

Max. pressure gradient:	0.43	psi/ft	Evacuated hole gradient:	0.22	psi/ft
Maximum anticipated BH pressu	re, assumi	ng maximum p	pressure gradient:	1,770	psi
Maximum anticipated surface pro	y evacuated hole:	870	psi		
 Man Income and Income I DUT Is ACD	0				

Temperature: Maximum anticipated BHT is 165° F or less

H₂S INFORMATION:

H₂S Zones: Encountering hydrogen-sulfide bearing zones is NOT anticipated.

Safety: Sensors and alarms will be placed in the substructure, on the rig floor, above the pits, and at the shakers.

LOGGING, CORING, AND TESTING:

Mud Logs: None planned; remote geo-steering from drill out of 9-5/8" casing to TD; gas chromatograph from drillout of 13-3/8" casing to TD.

MWD / LWD: Gamma Ray from drillout of 13-3/8" casing to TD

Open Hole Logs: None planned

Testing: None planned

Coring: None planned

Cased Hole Logs: CBL on 5-1/2" casing from deepest free-fall depth to surface

DRILLING RIG INFORMATION:

 Contractor:
 Aztec

 Rig No.:
 1000

 Draw Works:
 E80 AC 1,500 hp

 Mast:
 Hyduke Triple (136 ft, 600,000 lbs, 10 lines)

 Top Drive:
 NOV IDS-350PE (350 ton)

 Prime Movers:
 4 - GE Jenbacher Natural Gas Generator

 Pumps:
 2 - RS F-1600 (7,500 psi)

 BOPE 1:
 Cameron double gate ram (11", 3,000 psi)

 BOPE 2:
 Cameron annular (11", 3,000 psi)

 KB-GL (ft):
 22

BOPE REQUIREMENTS:

See attached diagram for details regarding BOPE specifications and configuration.

- 1) Rig will be equipped with upper and lower kelly cocks with handles available.
- 2) Inside BOP and TIW valves will be available to use on all sizes and threads of drill pipe used while drilling the well.
- 2) BOP accumulator will have enough capacity to open the HCR valve, close all rams and annular preventer, and retain minimum of 200 psi above precharge on the closing manifold without the use of closing pumps. The fluid reservoir capacity shall be at least double the usable fluid volume of the accumulator system capacity, and the fluid level shall be maintained at manufacturer's recommendation. There will be two additional sources of power for the closing pumps (electric and air). Sufficient nitrogen bottles will be available and will be recharged when pressure falls below manufacturer's recommended minimum.
- 3) BOP testing shall be conducted (a) when initially installed, (b) whenever any seal is broken or repaired, (c) if the time since the previous test exceeds 30 days. Tests will be conducted using a test plug. BOP ram preventers will be tested to 5,000 psi for 10 minutes, and the annular preventer will be tested to 2,500 psi for 10 minutes. Ram and annular preventers will be tested to 250 psi for 5 minutes. Additionally, BOP and casing strings will be tested to .22 psi/ft or 1,500 psi, whichever is greater but not exceeding 70% of yield strength of the casing, for 30 minutes, prior to drilling out 13-3/8" and 9-5/8" casing. Rams and hydraulically operated remote choke line valve will be function tested daily at a minimum.
- 4) Remote valve for BOP rams, HCR, and choke shall be placed in a location that is readily available to the driller. The remote BOP valve shall be capable of closing and opening the rams.
- 5) Manual locking devices (hand wheels) shall be intalled on rams. A valve will be installed on the annular preventer's closing line as close as possible to the preventer to act as a locking device. The valve will be maintained in the open position and shall only be closed when the there is no power to the accumulator.

FLUIDS AND SOLIDS CONTROL PROGRAM:

Fluid Measurement: Pumps shall be equipped with stroke counters with displays in the dog-house. Slow pump speed shall be recorded daily and after mudding up, at a minimum, on the drilling report. A Pit Volume Totalizer will be installed and the readout will be displayed in the dog-house. Gas-detecting equipment will be installed at the shakers, and readouts will be available in the dog-house and the in the geologist's work-station (if geologist or mud-logger is on-site).

Closed-Loop System: A fully, closed-loop system will be utilized. The system will consist of above-ground piping and above-ground storage tanks and bins. The system will not entail any earthen pits, below-grade storage, or drying pads. All equipment will be disassembled and removed from the site when drilling operations cease. The system will be capable of storing all fluids and generated cuttings and of preventing uncontrolled releases of the same. The system will be operated in an efficient manner to allow the recycling and reuse of as much fluid as possible and to minimize the amount of fluids and solids that require disposal.

- *Fluid Disposal* : Fluids that cannot be reused, recycled, or returned to the supplier will be hauled to and disposed of at an approved disposal site (Industrial Ecosystem, Inc. or Envirotech, Inc.).
- Solids Disposal : Drilling solids will be stored (until haul-off) on-site in separate containers with no other waste, debris, or garbage products. Waste solids will be hauled to and disposed of at an approved disposal site (Industrial Ecosystem, Inc. or Envirotech, Inc.).

Fluid Program: See "Detailed Drilling Plan" section for specifics.

DETAILED DRILLING PLAN:

SURFACE: Drill vertically to casing setting depth (plus necessary rathole), run casing, cement casing to surface.

0 ft (MD)	to	240 ft ft (MD)	Hole Section Length:	240 ft
0 ft (TVD)	to	240 ft ft (TVD)	Casing Required:	220 ft

Note: Surface hole may be drilled, cased, and cemented with a smaller rig in advance of the drilling rig.

	[F1		VD I		1	
	-	Dent (FL (and (20 min)	Distant	YP			
Fluid:	Туре	MW (ppg)	(mL/30 min)	PV (cp)	(lb/100 sqft)	рН	Comn	
	Fresh Water	8.4	N/C	2 - 8	2 - 12	9.0	Spud	mud
Hole Size:								
· · · · · · · · · · · · · · · · · · ·	Mill Tooth or F		x					
MWD / Survey:	No MWD, run	gyro survey aft	ter drilling					
Logging:	None							
Casing Specs:		Wt (lb/ft)	Grade	Conn.	Collapse (psi)	Burst (psi)	Tens. Body (lbs)	Tens. Conn (lbs)
Specs	13.375	54.5	J-55	BTC	1,130	2,730	853,000	909,000
Loading					105	510	111,406	111,406
Min. S.F.					10.78	5.36	7.66	8.16
	Assumptions:	Burst: maximu intermediate h	m anticipated and 8.4 pp	surface pressui g equivalent ex	g equivalent ex re with 9.5 ppg sternal pressure n 100,000 lbs ov	fluid inside cas gradient	e gradient sing while drillin	g
MU Torque (ft lbs):	Minumum:	N/A	Optimum:	N/A	Maximum:	N/A		
	*	Make-up as pe	er API Buttress	Connection run	ning procedure			
Casing Details:	Float shoe, 1 jt	t casing, float c	ollar, casing to	surface				
Centralizers:	2 centralizers	per jt stop-ban	ded 10' from ea	ach collar on be	ottom 3 jts, 1 ce	entralizer per 2	its to surface	
			Yield	Water	Hole Cap.		Planned TOC	Total Cmt
Cement:	Туре	Weight (ppg)	(cuft/sk)	(gal/sk)	(cuft/ft)	% Excess	(ft MD)	(sx)
	Class G	15.8	1.174	5.15	0.6946	100%	0	284
	Halliburton HA	LCEM surface	cementing blen	nd	cess noted in ta ce. Cement mu) psi compressiv	e strength
	before unifing	out						

INTERMEDIATE:	Drill as per dir	ectional plan t	o casing setting	the second second second second second second second		the second se	And a state of the	the second se
	220	ft (MD)	to	2,465	ft (MD)		ection Length:	2,245 ft
	220	ft (TVD)	to	2,362	ft (TVD)	Ca	sing Required:	2,465 ft
			FL		YP		1	
Fluid:	Туре	MW (ppg)	(mL/30 min)	PV (cp)	(lb/100 sqft)	pН	Comr	nents
	WBM	8.8 - 9.5	20	8 - 14	8 - 14	9.0 - 9.5		ontingency
Hole Size:	12-1/4"					No. of Concession, Statement of Concession, Statement		
	PDC w/mud m	otor						
MWD / Survey:	MWD with GR	, inclination, ar	nd azimuth surv	ey (every 100	' at a minimum)			
Logging:	None							
Pressure Test:	NU BOPE and	test (as noted a	above); pressure	e test 13-3/8"	casing to	1,500	psi for 30 mini	utes.
					preventer and	blind rams onl	y (no pipe rams	5).
	Maximum ant	icipated surface	e pressure while	e drilling inter	mediate hole se	ction is	500	psi
							Tens. Body	Tens. Conn
Casing Specs:		Wt (lb/ft)	Grade	Conn.	Collapse (psi)	Burst (psi)	(lbs)	(lbs)
Specs		36.0	J-55	LTC	2,020	3,520	564,000	453,000
Loading	A. C. S. 880				1,032	1,005	177,386	177,386
Min. S.F.					1.96	3.50	3.18	2.55
	Assumptions:	Collapse: fully	evacuated casir	ng with 8.4 pp	g equivalent ex	ternal pressure	e gradient	
		Burst: maximu	m anticipated s	urface pressu	re with 9.5 ppg	fluid inside cas	sing while drillin	ng production
			pg equivalent e				5	5,
					h 100,000 lbs ov	er-pull		
MU Torque (ft lbs):	Minumum:	3,400	Optimum:	4,530	Maximum:	5,660		
Casing Details:				llar, casing to	surface			
		-	-	-	ottom 3 jts, 1 ce	ntralizer per 2	its to surface	
			Yield	Water	Hole Cap.		Planned TOC	Total Cmt
Cement:	Туре	Weight (ppg)	(cuft/sk)	(gal/sk)	(cuft/ft)	% Excess	(ft MD)	(sx)
Lead		12.3	1.987	10.16	0.3132	40%	0	434
Tail		15.8	1.148	4.98	0.3132	10%	1,965	150
	Calculated cer	nent volumes a	ssume gauge h	ole and the ex	cess noted in to			
			LCEM cementin					
					ice. Cement mu	st achieve 500) psi compressi	ve strength
	before drilling							0
PRODUCTION:	Drill to TD foll	owina directio	nal plan. run ca	sina. cement	casina to surfac	e.		
	PROPERTY AND ADDRESS OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER.	ft (MD)	to	the same state of the same s	ft (MD)	the state of the s	ection Length:	9,393 ft
		ft (TVD)	to	the product of the second s	ft (TVD)	which the state of	sing Required:	11,858 ft
				.,			0	
		Es	timated KOP:	3,603	ft (MD)	3.400	ft (TVD)	
	Estin	nated Landing		the second s	ft (MD)	the state where we are a set of the second se	ft (TVD)	
		and the second se	ateral Length:	of the second	ft (MD)	.,		
				.,	1.3,,			
			T		YP		1	
Fluid:	Туре	MW (ppg)	FL (mL/30')	PV (cp)	(lb/100 sqft)	рН	Comr	nents
	WBM	8.8 - 9.5	20	8 - 14	8 - 14	9.0 - 9.5		ontingency
Hala Class	0.4/01	0.0 5.5	20	0 14	0.14	5.0 - 5.5		Tringency

Hole Size: 8-1/2"

Bit / Motor: PDC w/mud motor

MWD / Survey: MWD with GR, inclination, and azimuth (survey every joint from KOP to Landing Point and survey every 100' minimum before KOP and after Landing Point)

Logging: GR MWD for entire section, no mud-log or cuttings sampling, no OH WL logs

Casing Specs:		test (as noted a	bove); pressur	e test 9-5/8" ca	asing to	1,500	psi for 30 minu	tes.
Casina Specs:							Tens. Body	Tens. Conn
	Size (in)	Wt (lb/ft)	Grade	Conn.	Collapse (psi)	Burst (psi)	(lbs)	(lbs)
Specs	5.500	17.0	P-110	LTC	7,460	10,640	546,000	445,000
Loading					2,043	8,887	273,950	273,950
Min. S.F.					3.65	1.20	1.99	1.62
	Assumptions:	Collapse: fully	evacuated casi	ng with 9.5 pp	g fluid in the an	nulus (floating	casing during r	unning)
		Burst: 8,500 ps	si maximum sui	face treating p	pressure with 10).2 ppg equiva	ent mud weigh	t sand laden
		fluid with 8.4 p	pg equivalent	external pressu	ıre gradient			
		Tension: buoye	ed weight in 9.0) ppg fluid with	100,000 lbs ov	er-pull		
MU Torque (ft lbs):	Minumum:	3,470	Optimum:	4,620	Maximum:	5,780		
Casing Details:	Float shoe, 2 j	ts casing, float (collar, landing o	collar, toe-intit	ation sleeve wit	th handling pu	ps, 1 jt casing, t	oe-initiation
	sleeve, with ha	andling pups, ca	asing to KOP wi	th 20' marker j	oints spaced ev	enly in lateral	every 2,000'. Pl	ace
	Floatation Sub	at KOP (+/-). C	ontinue runnin	g casing to sur	face. The toe-in	itiation sleeve	s must be posi	tioned
	INSIDE the 33	0' unit setback.						
Centralizers:	Lateral: Minim	num of 1 centra	lizer per 2 joint	S				
	Curve: 1 centr	alizer every joir	nt from landing	point to KOP				
	Vertical: 1 cen	tralizer every 2	joints from KO	P to 9-5/8" sho	be, 1 every 3 join	nts from 9-5/8	" shoe to surfac	P
			Yield	Water	Hole Cap.		Planned TOC	,c
		1			none oup.		Flaimeu TOC	Total Cmt
Cement:	Туре	Weight (ppg)	(cuft/sk)	(gal/sk)	(cuft/ft)	% Excess	(ft MD)	
Cement: Lead		Weight (ppg) 12.3	(cuft/sk) 1.987	(gal/sk) 10.16		% Excess 40%		Total Cmt
	G:POZ blend				(cuft/ft)		(ft MD)	Total Cmt (sx)
Lead	G:POZ blend G:POZ blend	12.3 13.3	1.987 1.354	10.16 5.94	(cuft/ft) 0.2691	40% 10%	(ft MD) 0	Total Cmt (sx) 618
Lead	G:POZ blend G:POZ blend Calculated cer	12.3 13.3	1.987 1.354 ssume gauge h	10.16 5.94 ole and the ex	(cuft/ft) 0.2691 0.2291	40% 10%	(ft MD) 0	Total Cmt (sx) 618
Lead	G:POZ blend G:POZ blend Calculated cert Halliburton EC	12.3 13.3 ment volumes a	1.987 1.354 ssume gauge h TENDACEM cer	10.16 5.94 ole and the ex- menting blend	(cuft/ft) 0.2691 0.2291 cess noted in tak	40% 10%	(ft MD) 0	Total Cmt (sx) 618
Lead Tail	G:POZ blend G:POZ blend Calculated cen Halliburton EC Notify NMOCI	12.3 13.3 ment volumes a CONOCEM & EX D & BLM if cem	1.987 1.354 ssume gauge h TENDACEM cer ent is not circu	10.16 5.94 ole and the exa menting blend ilated to surface	(cuft/ft) 0.2691 0.2291 cess noted in tak	40% 10% ble	(ft MD) 0 3,400	Total Cmt (sx) 618 1,574
Lead Tail	G:POZ blend G:POZ blend Calculated cert Halliburton EC Notify NMOCI The lateral ma	12.3 13.3 ment volumes a CONOCEM & EX D & BLM if cem ay be drilled pas	1.987 1.354 ssume gauge h TENDACEM cer ent is not circu at applicaple se	10.16 5.94 ole and the ex- menting blend ilated to surfa- tback to maxin	(cuft/ft) 0.2691 0.2291 cess noted in tak	40% 10% ble	(ft MD) 0 3,400 ed interval and	Total Cmt (sx) 618 1,574 to maximize
Lead Tail	G:POZ blend G:POZ blend Calculated cert Halliburton EC Notify NMOCI The lateral ma resource recov	12.3 13.3 ment volumes a CONOCEM & EX D & BLM if cem by be drilled pas very. If the well	1.987 1.354 ssume gauge h TENDACEM cer ent is not circu it applicaple ser is drilled past t	10.16 5.94 ole and the ex- menting blend ilated to surfact tback to maxin the setback, th	(cuft/ft) 0.2691 0.2291 cess noted in tak ce. hize the length of	40% 10% ble of the complet sleeve and all	(ft MD) 0 3,400 ed interval and perforations wil	Total Cmt (sx) 618 1,574 to maximize l be placed
Lead Tail	G:POZ blend G:POZ blend Calculated cen Halliburton EC Notify NMOCI The lateral ma resource recov inside the set	12.3 13.3 ment volumes a CONOCEM & EX D & BLM if cem ay be drilled pas very. If the well back. An unorth	1.987 1.354 ssume gauge h TENDACEM cer ent is not circu at applicaple se is drilled past t odox location a	10.16 5.94 ole and the ex- menting blend alated to surfact tback to maxin the setback, the application is n	(cuft/ft) 0.2691 0.2291 cess noted in tak ce. hize the length of e toe Initiation s	40% 10% ble of the complet sleeve and all ause the comp	(ft MD) 0 3,400 ed interval and perforations will pleted interval v	Total Cmt (sx) 618 1,574 to maximize l be placed vill be entirely
Lead Tail	G:POZ blend G:POZ blend Calculated cen Halliburton EC Notify NMOCI The lateral ma resource recov inside the sett within the set	12.3 13.3 ment volumes a CONOCEM & EX D & BLM if cem ay be drilled pas very. If the well back. An unorth	1.987 1.354 ssume gauge h TENDACEM cer ent is not circu it applicaple ser is drilled past t odox location a and allowed b	10.16 5.94 ole and the exp menting blend alated to surfact tback to maxin the setback, the application is n y NMAC 19.15	(cuft/ft) 0.2691 0.2291 cess noted in tak ce. hize the length of e toe Initiation s ot required bec	40% 10% ble of the complet sleeve and all ause the comp	(ft MD) 0 3,400 ed interval and perforations will pleted interval v	Total Cmt (sx) 618 1,574 to maximize l be placed vill be entirely

FINISH WELL: ND BOP, NU WH with BPV and cap, RDMO.

COMPLETION AND PRODUCTION PLAN:

- *Frac:* Lateral will be fracture-stimulated in approximately 33 plug-and-perf stages with approximately 180,000 bbls slickwater fluid and 13,000,000 lbs of proppant.
- *Flowback:* Depending on well pressures, flow back may be either up 5-1/2" casing or 2-7/8" production tubing. Well will be flowed back until proppant volumes are low enough that the well can safely be produced through permanent production facilities.
- Production: Well will produce up production tubing via gas-lift into permanent production and storage facilities.

ESTIMATED START DATES:

Drilling:	9/1/2018
Completion:	11/1/2018
Production:	12/15/2018

Prepared by: Alec Bridge 7/11/2018



Enduring Resources LLC

San Juan Basin - Kimbeto Wash Unit 771H pad 770H

Wellbore #1

Plan: Design #1

Standard Planning Report

23 July, 2018

Map System: Geo Datum: Map Zone:	US State Plane 1 North American D New Mexico Wes	Datum 1983		System Datum:		Mean Sea Level		
Site	771H pad, San	Juan Co., Nev	w Mexico					
Site Position:			Northing:	1,899,575.11 usft	Latitude			36.220539°N
From: Position Uncertainty	Lat/Long	0.0 usft	Easting: Slot Radius:	2,730,824.78 usft 13-3/16 "	Longitud Grid Cor	le: ivergence:		107.807116°W 0.02 °
Well	770H							
Well Position	+N/-S	14.9 usft	Northing:	1,899,590.0	4 usft	Latitude:		36.220580°N
	+E/-W	13.3 usft	Easting:	2,730,838.0	4 usft	Longitude:		107.807071°W
Position Uncertainty		0.0 usft	Wellhead Elevat	ion:		Ground Level:		6,561.0 usft
Wellbore	Wellbore #1		n nyan kanangan yang manang mangang man Kanang manang kanang mangang ma					e of the second
Magnetics	Model Nam	10	Sample Date	Declination (°)		Dip Angle (°)		Field Strength (nT)
Magnetics	Model Nam		Sample Date 12/31/2009					
Magnetics Design				(°)		(°)		(nT)
	IGRF2			(°)		(°)		(nT)
Design	IGRF2		12/31/2009	(°) 10.01	ie On Depti	(°) 63.05	0.0	(nT)
Design Audit Notes:	IGRF2	00510 Depth Fi	12/31/2009	(°) 10.01 PROTOTYPE T +N/-S +		(°) 63.05		(nT)

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks		
1	0.0	11,857.8	Design #1 (Wellbore #1)	MWD			
				OWSG MWD - Standard			

Measured			Vertical			Dogleg	Build	Turn		
Depth (usft)	Inclination (°)	Azimuth (°)	Depth (usft)	+N/-S (usft)	+E/-W (usft)	Rate (°/100usft)	Rate (°/100usft)	Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
240.0	0.00	0.00	240.0	0.0	0.0	0.00	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,495.1	19.90	163.61	1,475.2	-164.1	48.3	2.00	2.00	0.00	163.61	
3,595.3	19.90	163.61	3,450.0	-850.0	250.0	0.00	0.00	0.00	0.00	770H KOP
4,325.6	71.05	311.61	4,031.4	-711.4	-30.9	12.07	7.00	20.27	149.91	
4,713.1	89.68	315.15	4,096.0	-450.0	-307.0	4.89	4.81	0.91	10.95	770H POE
11,857.8	89.68	315.15	4,136.0	4,615.2	-5,345.7	0.00	0.00	0.00	0.00	770H BHL

Magaurad			Vertical			Vertical	Dogleg	Build	Turn
Measured Depth	Inclinet	Amirrowski	Depth	+N/-S	LE (MA	Section	Rate	Rate	Rate
(usft)	Inclination (°)	Azimuth (°)	(usft)	+N/-S (usft)	+E/-W (usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
240.0	0.00	0.00	240.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	2.00	163.61	600.0	-1.7	0.5	-1.5	2.00	2.00	0.00
700.0	4.00	163.61	699.8	-6.7	2.0	-5.9	2.00	2.00	0.00
800.0	6.00	163.61	799.5	-15.1	4.4	-13.2	2.00	2.00	0.00
					7.9	-23.4	2.00		0.00
900.0	8.00	163.61	898.7	-26.7				2.00	
1,000.0	10.00	163.61	997.5	-41.8	12.3	-36.6	2.00	2.00	0.00
1,100.0	12.00	163.61	1,095.6	-60.1	17.7	-52.6	2.00	2.00	0.00
1,200.0	14.00	163.61	1,193.1	-81.6	24.0	-71.5	2.00	2.00	0.00
1,300.0	16.00	163.61	1,289.6	-106.5	31.3	-93.3	2.00	2.00	0.00
1,400.0	18.00	163.61	1,385.3	-134.5	39.6	-117.9	2.00	2.00	0.00
1,495.1	19.90	163.61	1,475.2	-164.1	48.3	-143.8	2.00	2.00	0.00
1,500.0	19.90	163.61	1,479.8	-165.7	48.7	-145.2	0.00	0.00	0.00
1,600.0	19.90	163.61	1,573.8	-198.4	58.4	-173.8	0.00	0.00	0.00
1,700.0	19.90	163.61	1,667.9	-231.1	68.0	-202.4	0.00	0.00	0.00
1,800.0	19.90	163.61	1,761.9	-263.7	77.6	-231.0	0.00	0.00	0.00
1,900.0	19.90	163.61	1,855.9	-296.4	87.2	-259.7	0.00	0.00	0.00
2,000.0	19.90	163.61	1,950.0	-329.0	96.8	-288.3	0.00	0.00	0.00
2,100.0	19.90	163.61	2,044.0	-361.7	106.4	-316.9	0.00	0.00	0.00
2,200.0	19.90	163.61	2,138.0	-394.3	116.0	-345.5	0.00	0.00	0.00
2,300.0	19.90	163.61	2,232.0	-427.0	125.6	-374.1	0.00	0.00	0.00
				-427.0	135.2	-402.7	0.00	0.00	0.00
2,400.0	19.90	163.61	2,326.1			-402.7	0.00	0.00	0.00
2,500.0	19.90	163.61	2,420.1	-492.3	144.8				
2,600.0	19.90	163.61	2,514.1	-525.0	154.4	-459.9	0.00	0.00	0.00
2,700.0	19.90	163.61	2,608.2	-557.6	164.0	-488.5	0.00	0.00	0.00
2,800.0	19.90	163.61	2,702.2	-590.3	173.6	-517.2	0.00	0.00	0.00
2,900.0	19.90	163.61	2,796.2	-622.9	183.2	-545.8	0.00	0.00	0.00
3,000.0	19.90	163.61	2,890.2	-655.6	192.8	-574.4	0.00	0.00	0.00
3,100.0	19.90	163.61	2,984.3	-688.2	202.4	-603.0	0.00	0.00	0.00
3,200.0	19.90	163.61	3,078.3	-720.9	212.0	-631.6	0.00	0.00	0.00
3,300.0	19.90	163.61	3,172.3	-753.6	221.6	-660.2	0.00	0.00	0.00
3,400.0	19.90	163.61	3,266.4	-786.2	231.2	-688.8	0.00	0.00	0.00
3,500.0	19.90	163.61	3,360.4	-818.9	240.8	-717.4	0.00	0.00	0.00
3,595.3	19.90	163.61	3,450.0	-850.0	250.0	-744.7	0.00	0.00	0.00
3,600.0	19.41	164.46	3,454.4	-851.5	250.4	-746.0	12.07	-10.40	18.21
3,700.0	10.91	199.04	3,551.0	-876.6	251.8	-763.4	12.07	-8.51	34,57
3,800.0	12.23	261.96	3,649.4	-887.0	238.2	-760.0	12.07	1.32	62.93
3,900.0	21.65	289.14	3,745.0	-882.4	210.2	-735.8	12.07	9.42	27.18
4,000.0	32.80	299.43	3,833.9	-863.0	169.0	-691.9	12.07	11.16	10.29
4,000.0	44.40	304.83	3,911.9	-829.6	116.5	-630.3	12.07	11.60	5.40
4,200.0	56.17	308.35	3,975.7	-783.7	55.0	-553.7	12.07	11.77	3.52
4,300.0	68.01	311.01	4,022.4	-727.3	-12.8	-465.6	12.07	11.84	2.66
4,325.6	71.05	311.61	4,031.4	-711.4	-30.9	-441.5	12.07	11.87	2.35
4,400.0 4,500.0	74.62 79.43	312.33 313.26	4,053.4 4,075.8	-663.9 -597.7	-83.7 -155.2	-370.5 -273.2	4.89 4.89	4.80 4.81	0.96 0.93
4,600.0	84.24	314.15	4,090.0	-529.3	-226.7	-174.3	4.89	4.81	0.90
4,700.0	89.05	315.04	4,095.9	-459.3	-297.8	-74.8	4.89	4.81	0.88
4,713.1	89.68	315.15	4,096.0	-450.0	-307.0	-61.7	4.89	4.81	0.88
4,800.0	89.68	315.15	4,096.5	-388.4	-368.3	25.0	0.00	0.00	0.00
4,900.0	89.68	315.15	4,097.0	-317.5	-438.8	124.7	0.00	0.00	0.00
5,000.0	89.68	315.15	4,097.6	-246.6	-509.3	224.4	0.00	0.00	0.00
5,100.0	89.68	315.15	4,098.2	-175.7	-579.9	324.1	0.00	0.00	0.00
5,200.0	89.68	315.15	4,098.7	-104.8	-650.4	423.8	0.00	0.00	0.00
5,300.0	89.68	315.15	4,099.3	-33.9	-720.9	523.5	0.00	0.00	0.00
5,400.0	89.68	315.15	4,099.8	37.0	-791.4	623.2	0.00	0.00	0.00
5,500.0	89.68	315.15	4,100.4	107.9	-862.0	722.9	0.00	0.00	0.00
5,600.0	89.68	315.15	4,101.0	178.8	-932.5	822.6	0.00	0.00	0.00
5,700.0	89.68	315.15	4,101.5	249.7	-1,003.0	922.4	0.00	0.00	0.00
5,800.0	89.68	315.15	4,101.5	320.6	-1,073.5	1,022.1	0.00	0.00	0.00
5,800.0	89.68	315.15	4,102.1	320.6	-1,073.5	1,121.8	0.00	0.00	0.00
5 MOO ()	69.68	313 15	4.102.0	391.5	-1 144 ()	1 1/1 8	0.00	0.00	0.00

Measured			Vertical			Vertical	Dogleg	Build	Turn
Depth	Inclination	Azimuth	Depth	+N/-S	+E/-W	Section	Rate	Rate	Rate
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)
6,100.0	89.68	315.15	4,103.8	533.2	-1,285.1	1,321.2	0.00	0.00	0.00
6,200.0	89.68	315.15	4,104.3	604.1	-1,355.6	1,420.9	0.00	0.00	0.00
6,300.0	89.68	315.15	4,104.9	675.0	-1,426.1	1,520.6	0.00	0.00	0.00
6,400.0	89.68	315.15	4,105.4	745.9	-1,496.7	1,620.3	0.00	0.00	0.00
6,500.0	80.69	215 15	4 106 0	010 0	1 567 0	1 720 0	0.00	0.00	0.00
-1	89.68	315.15	4,106.0	816.8	-1,567.2	1,720.0			
6,600.0	89.68	315.15	4,106.6	887.7	-1,637.7	1,819.8	0.00	0.00	0.00
6,700.0	89.68	315.15	4,107.1	958.6	-1,708.2	1,919.5	0.00	0.00	0.00
6,800.0	89.68	315.15	4,107.7	1,029.5	-1,778.8	2,019.2	0.00	0.00	0.00
6,900.0	89.68	315.15	4,108.2	1,100.4	-1,849.3	2,118.9	0.00	0.00	0.00
7,000.0	89.68	315.15	4,108.8	1,171.3	-1,919.8	2,218.6	0.00	0.00	0.00
7,100.0	89.68	315.15	4,109.4	1,242.2	-1,990.3	2,318.3	0.00	0.00	0.00
7,200.0	89.68	315.15	4,109.9	1,313.1	-2,060.9	2,418.0	0.00	0.00	0.00
7,300.0	89.68	315.15	4,110.5	1,384.0	-2,131.4	2,517.7	0.00	0.00	0.00
7,400.0	89.68	315.15	4,111.0	1,454.9	-2,201.9	2,617.4	0.00	0.00	0.00
7,500.0	89.68	315.15	4,111.6	1,525.8	-2,272.4	2,717.2	0.00	0.00	0.00
7,600.0	89.68	315.15	4,112.2	1,596.7	-2,342.9	2,816.9	0.00	0.00	0.00
7,700.0	89.68	315.15	4,112.7	1,667.6	-2,413.5	2,916.6	0.00	0.00	0.00
7,800.0	89.68	315.15	4,113.3	1,738.5	-2,484.0	3,016.3	0.00	0.00	0.00
7,900.0	89.68	315.15	4,113.8	1,809.4	-2,554.5	3,116.0	0.00	0.00	0.00
8,000.0	89.68	315.15	4,114.4	1,880.2	-2,625.0	3,215.7	0.00	0.00	0.00
8,100.0	89.68	315.15	4,115.0	1,951.1	-2,695.6	3,315.4	0.00	0.00	0.00
8,200.0	89.68 89.68	315.15	4,115.5	2,022.0	-2,766.1	3,415.1	0.00	0.00	0.00
8,300.0 8,400.0	89.68	315.15	4,116.1	2,092.9	-2,836.6	3,514.8	0.00	0.00	0.00
0,400.0	09.00	315.15	4,116.6	2,163.8	-2,907.1	3,614.6	0.00	0.00	0.00
8,500.0	89.68	315.15	4,117.2	2,234.7	-2,977.7	3,714.3	0.00	0.00	0.00
8,600.0	89.68	315.15	4,117.8	2,305.6	-3,048.2	3,814.0	0.00	0.00	0.00
8,700.0	89.68	315.15	4,118.3	2,376.5	-3,118.7	3,913.7	0.00	0.00	0.00
8,800.0	89.68	315.15	4,118.9	2,447.4	-3,189.2	4,013.4	0.00	0.00	0.00
8,900.0	89.68	315.15	4,119.4	2,518.3	-3,259.8	4,113.1	0.00	0.00	0.00
9,000.0	89.68	315.15	4,120.0	2,589.2	-3,330.3	4,212.8	0.00	0.00	0.00
9,100.0	89.68	315.15	4,120.6	2,660.1	-3,400.8	4,312.5	0.00	0.00	0.00
9,200.0	89.68	315.15	4,121.1	2,731.0	-3,471.3	4,412.2	0.00	0.00	0.00
9,300.0	89.68	315.15	4,121.7	2,801.9	-3,541.9	4,512.0	0.00	0.00	0.00
9,400.0	89.68	315.15	4,122.2	2,872.8	-3,612.4	4,611.7	0.00	0.00	0.00
0.500.0	80.68	245 45	4 4 2 2 8						
9,500.0	89.68 89.68	315.15	4,122.8	2,943.7	-3,682.9	4,711.4	0.00	0.00	0.00
9,600.0 9,700.0	89.68	315.15 315.15	4,123.4 4,123.9	3,014.6 3,085.5	-3,753.4 -3,823.9	4,811.1	0.00	0.00	0.00
9,700.0	89.68	315.15	4,123.9	3,065.5	-3,823.9	4,910.8	0.00	0.00	0.00
9,800.0	89.68	315.15	4,124.5	3,156.4	-3,894.5	5,010.5 5,110.2	0.00	0.00	0.00
10,000.0	89.68	315.15	4,125.6	3,298.1	-4,035.5	5,209.9	0.00	0.00	0.00
10,100.0	89.68	315.15	4,126.2	3,369.0	-4,106.0	5,309.6	0.00	0.00	0.00
10,200.0	89.68	315.15	4,126.7	3,439.9	-4,176.6	5,409.4	0.00	0.00	0.00
10,300.0	89.68	315.15	4,127.3	3,510.8	-4,247.1	5,509.1	0.00	0.00	0.00
10,400.0	89.68	315.15	4,127.8	3,581.7	-4,317.6	5,608.8	0.00	0.00	0.00
10,500.0	89.68	315.15	4,128.4	3,652.6	-4,388.1	5,708.5	0.00	0.00	0.00
10,600.0	89.68	315.15	4,129.0	3,723.5	-4,458.7	5,808.2	0.00	0.00	0.00
10,700.0	89.68	315.15	4,129.5	3,794.4	-4,529.2	5,907.9	0.00	0.00	0.00
10,800.0	89.68	315.15	4,130.1	3,865.3	-4,599.7	6,007.6	0.00	0.00	0.00
10,900.0	89.68	315.15	4,130.6	3,936.2	-4,670.2	6,107.3	0.00	0.00	0.00
11,000.0	89.68	315.15	4,131.2	4,007.1	-4,740.8	6,207.0	0.00	0.00	0.00
11,100.0	89.68	315.15	4,131.8	4,078.0	-4,811.3	6,306.8	0.00	0.00	0.00
11,200.0	89.68	315.15	4,132.3	4,148.9	-4,881.8	6,406.5	0.00	0.00	0.00
11,300.0	89.68	315.15	4,132.9	4,219.8	-4,952.3	6,506.2	0.00	0.00	0.00
11,400.0	89.68	315.15	4,133.4	4,290.7	-4,932.3	6,605.9	0.00	0.00	0.00
11,500.0	89.68	315.15	4,134.0	4,361.6	-5,093.4	6,705.6	0.00	0.00	0.00
11,600.0	89.68	315.15	4,134.6	4,432.5	-5,163.9	6,805.3	0.00	0.00	0.00
11,700.0	89.68	315.15	4,135.1	4,503.4	-5,234.4	6,905.0	0.00	0.00	0.00
11,800.0	89.68	315.15	4,135.7	4,574.3	-5,304.9	7,004.7	0.00	0.00	0.00
11,857.8	89.68	315.15	4,136.0	4,615.2	-5,345.7	7,062.3	0.00	0.00	0.00

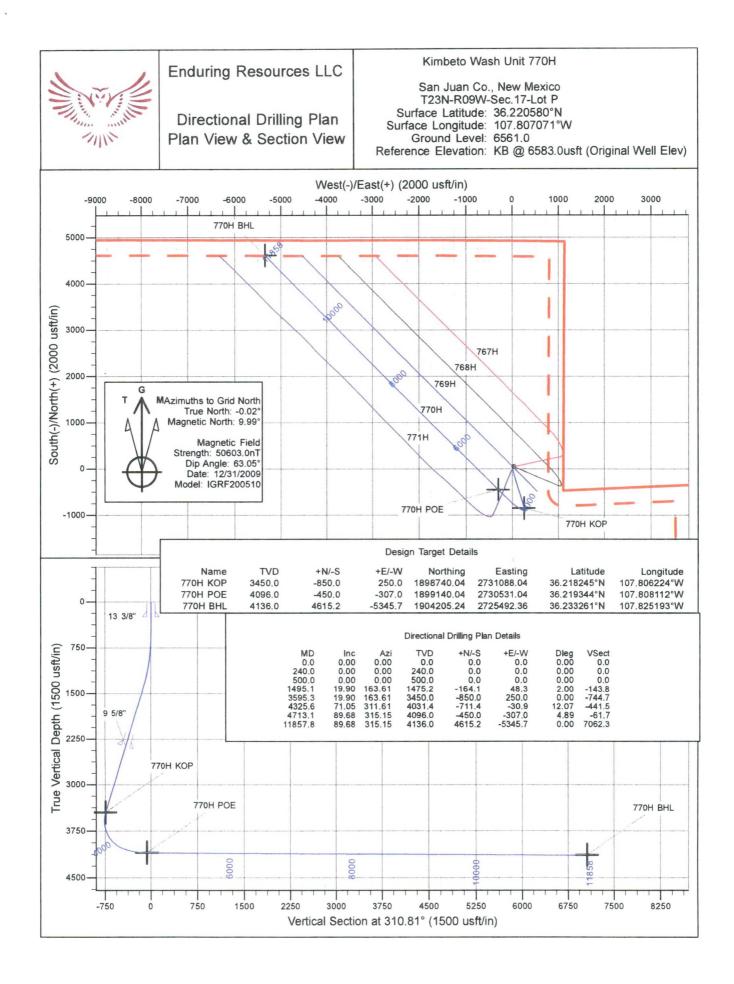
Design Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
770H KOP - plan hits target ce - Point	0.00 enter	0.00	3,450.0	-850.0	250.0	1,898,740.04	2,731,088.04	36.218245°N	107.806225°W
770H POE - plan hits target ce - Point	0.00 enter	0.01	4,096.0	-450.0	-307.0	1,899,140.04	2,730,531.04	36.219344°N	107.808112°W
770H BHL - plan hits target ce - Point	0.00 enter	0.01	4,136.0	4,615.2	-5,345.7	1,904,205.25	2,725,492.36	36.233261°N	107.825193°W

Casing Points

De	sured epth isft)	Vertical Depth (usft)		Name	Casing Diameter (")	Hole Diameter ('')
	240.0	240.0	13 3/8"		13-3/8	17-1/2
	2,438.2	2,362.0	9 5/8"		9-5/8	12-1/4

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Dip Dip Direction Lithology (°) (°)
145.0	145.0	Ojo Alamo	0.00
242.0	242.0	Kirtland	0.00
502.0	502.0	Fruitland	0.00
852.9	852.0	Pictured Cliffs	0.00
1,060.6	1,057.0	Lewis	0.00
1,250.6	1,242.0	Chacra	0.00
2,315.9	2,247.0	Cliff House	0.00
2,331.9	2,262.0	Menefee	0.00
3,384.7	3,252.0	Point Lookout	0.00
3,680.6	3,532.0	Mancos	0.00
3,912.9	3,757.0	Gallup (MNCS. A)	0.00
4,713.1	4,096.0	SILT (Target)	0.00



WELL NAME: Kimbeto Wash Unit 770H

OBJECTIVE: Drill, complete, and equip single lateral in the Mancos Silt formation

API Number: 30-045-

State: New Mexico

country.	Sansaan					
Surface Elev.:	6,561	ft ASL (GL)	6,583	ft ASL (KB)		
Surface Location:	17-23N-09W	Sec-Twn- Rng	409	ft FSL	1,115	ft FEL
BH Location:	18-23N-09W	Sec-Twn- Rng	330	ft FNL	1200	ft FEL

Driving Directions:From the intersection of US HWY 550 and US HWY 64 in Bloomfield, NM: South on US
HWY 550 for 35.9 miles to MM 115.7, right (southwest) at Nageezi Post Office on CR
7800 for 0.4 miles to 4-way intersection; straight (southwest) exiting CR7800 and
continuing on 7820 for 0.6 miles to fork in road, right (southwest) on 7820 for 1.1 miles
to 4-way intersection, straight (southwest) for 2.7 miles to existing access road for
Kimbeto Wash 771H well.

QUIC	QUICK REFERENCE									
Sur TD (MD)	240	ft								
Int TD (MD)	2,465	ft								
KOP (MD)	3,603	ft								
KOP (TVD)	3,400	ft								
Target (TVD)	4,096	ft								
Curve BUR	12	°/100 ft								
POE (MD)	4,713	ft								
TD (MD)	11,858	ft								
Lat Len (ft)	7,145	ft								

WELL CONSTRUCTION SUMMARY:

	Hole (in)	TD MD (ft)	Csg (in)	Csg (lb/ft)	Csg (grade)	Csg (conn)	Csg Top (ft)	Csg Bot (ft)
Surface	17.500	240	13.375	54.5	J-55	BTC	0	220
Intermediate	12.250	2,465	9.625	36.0	J-55	LTC	0	2,465
Production	8.500	11,858	5.500	17.0	P-110	LTC	0	11,858

CEMENT PROPERTIES SUMMARY:

						Hole Cap.		TOC	
		Туре	Wt (ppg)	Yd (cuft/sk)	Wtr (gal/sk)	(cuft/ft)	% Excess	(ft MD)	Total (sx)
	Surface	Class G	15.8	1.174	5.15	0.6946	100%	0	284
Г	Inter. (Lead)	G:POZ Blend	12.3	1.987	10.16	0.3132	40%	0	434
	Inter. (Tail)	Class G	15.8	1.148	4.98	0.3132	10%	1,965	150
	Prod. (Lead)	G:POZ blend	12.3	1.987	10.16	0.2691	40%	0	618
	Prod. (Tail)	G:POZ blend	13.3	1.354	5.94	0.2291	10%	3,400	1,574

COMPLETION / PRODUCTION SUMMARY:

Frac: 36-stage (+/-) plug-and-perf frac with slick water and 13,000,000 lbs (+/-) proppant
Flowback: Flow up 5-1/2" casing or 2-7/8" tubing until returns are free of sand
Production: 2-7/8" tubing with packer set in 5-1/2" casing and gas-lift mandrels as needed