

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one district copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen 2060	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg 1860	T. Montoya	T. Mancos	T. McCracken
T. San Andres 2779	T. Simpson	T. Gallup	T. Ignacio Otzte
T. Glorieta 4206	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinebry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Spring	T. Entrada	T.
T. Abo	T. <u>Morrow</u>	T. Wingate	T.
T. Wolfcamp	T. Yeso	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....
No. 2, from.....to..... No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

From	To	Thickness In Feet	Lithology

WICHITA STATE #1
API#: 30-015-30638
EDDY, NM

C-105 (#27) ADDITIONAL INFORMATION

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4910 - 5110	Acidize w/ 2500 gals acid.
	Frac w/ 125,202 gals gel, 148,600# 16/30 sand,
	30,696# Siberprop sand.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5180 - 5380	

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5460 - 5660	Acidize w/ 2500 gals acid.
	Frac w/ 102,920 gals gel, 104,990# 16/30 sand,
	29,525# Siberprop sand

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-30638		² Pool Code 96718		³ Pool Name Loco Hills; Glorieta-Yeso	
⁴ Property Code 302586		⁵ Property Name Wichita State			⁶ Well Number 1
⁷ OGRID No. 229137		⁸ Operator Name COG OPERATING LLC			⁹ Elevation 3673

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	16	17S	30E		2310	South	990	West	Eddy

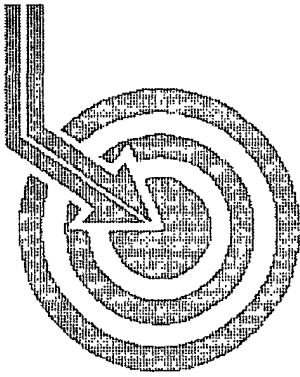
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--	-------------------------------	----------------------------------	-------------------------

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

					¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief</i> Signature Kanicia Carrillo Printed Name Regulatory Analyst Title and E-mail Address 04/11/08 Date
					¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief</i>
					Date of Survey Signature and Seal of Professional Surveyor
					Referred Original Survey Certificate Number



Scientific Drilling

COG RESOURCES

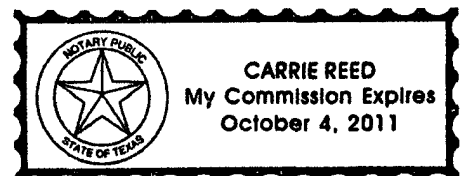
Field: Loco Hills Paddock
Site: Eddy County, NM
Well: Wichita State #1
Wellpath: VH - Job #32K0708591
Survey: 07/28/08

This survey is correct to the best of my knowledge
and is supported by actual field data.

.....Richard.....Company Representative

Notorized this date 21st of August, 2008.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: COG RESOURCES	Date: 08/20/2008	Time: 15:49:07	Page: 1
Field: Loco Hills Paddock	Co-ordinate(NE) Reference:	Site: Eddy County, NM, True North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Wichita State #1	Section (VS) Reference:	Well (0.00N,0.00E,68.32Azi)	
Wellpath: VH - Job #32K0708591	Survey Calculation Method:	Minimum Curvature Db: Sybase	

Survey: 07/28/08	Start Date: 07/28/2008
Company: Scientific Drilling Internatio	Engineer: Madrid w/P&M
Tool: Keeper,Keeper Gyro	Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.44	34.01	100.00	0.32	0.32	0.21	0.44	0.38	34.01
200.00	0.54	35.21	200.00	1.03	1.02	0.70	0.10	1.24	34.47
300.00	0.36	43.25	299.99	1.71	1.64	1.19	0.19	2.02	36.00
400.00	0.48	83.52	399.99	2.40	1.91	1.82	0.31	2.64	43.59
500.00	0.49	79.95	499.99	3.22	2.03	2.66	0.03	3.35	52.57
600.00	0.75	81.71	599.98	4.28	2.20	3.73	0.26	4.33	59.41
700.00	0.64	88.19	699.97	5.44	2.31	4.93	0.14	5.45	64.86
800.00	0.97	77.05	799.96	6.80	2.52	6.31	0.36	6.80	68.23
900.00	1.17	64.97	899.95	8.66	3.14	8.06	0.30	8.66	68.71
1000.00	1.24	62.89	999.92	10.75	4.07	9.95	0.08	10.75	67.77
1100.00	1.53	66.95	1099.89	13.16	5.08	12.14	0.31	13.17	67.28
1200.00	1.52	64.47	1199.86	15.82	6.18	14.57	0.07	15.83	67.02
1300.00	1.39	61.75	1299.83	18.35	7.32	16.83	0.15	18.36	66.49
1400.00	0.99	72.46	1399.80	20.42	8.16	18.73	0.46	20.43	66.46
1500.00	0.89	79.32	1499.79	22.04	8.56	20.31	0.15	22.04	67.14
1600.00	0.71	87.51	1599.78	23.39	8.73	21.70	0.21	23.39	68.07
1700.00	0.58	81.36	1699.78	24.47	8.84	22.82	0.15	24.47	68.83
1800.00	0.28	76.14	1799.77	25.20	8.97	23.55	0.30	25.20	69.15
1900.00	0.27	78.56	1899.77	25.68	9.08	24.02	0.02	25.68	69.30
2000.00	0.30	64.51	1999.77	26.17	9.24	24.49	0.08	26.17	69.34
2100.00	0.41	54.99	2099.77	26.78	9.55	25.02	0.12	26.78	69.10
2200.00	0.37	36.41	2199.77	27.40	10.02	25.50	0.13	27.40	68.55
2300.00	0.33	20.60	2299.76	27.87	10.55	25.80	0.10	27.87	67.76
2400.00	0.64	12.12	2399.76	28.37	11.36	26.01	0.32	28.39	66.40
2500.00	0.68	17.66	2499.75	29.06	12.48	26.31	0.08	29.12	64.63
2600.00	0.62	16.20	2599.75	29.77	13.56	26.64	0.06	29.89	63.02
2700.00	0.66	26.19	2699.74	30.53	14.60	27.05	0.12	30.73	61.65
2800.00	0.87	12.05	2799.73	31.37	15.86	27.46	0.28	31.71	60.00
2900.00	0.91	13.58	2899.72	32.25	17.37	27.81	0.05	32.79	58.01
3000.00	0.89	12.60	2999.71	33.15	18.90	28.16	0.03	33.92	56.13
3100.00	0.79	13.15	3099.70	33.98	20.33	28.49	0.10	35.00	54.49
3200.00	0.81	20.05	3199.69	34.85	21.66	28.89	0.10	36.11	53.13
3300.00	0.72	17.93	3299.68	35.72	22.93	29.32	0.09	37.22	51.98
3400.00	0.69	23.34	3399.67	36.54	24.08	29.75	0.07	38.28	51.02
3500.00	0.54	20.46	3499.66	37.29	25.07	30.16	0.15	39.22	50.26
3600.00	0.39	23.84	3599.66	37.84	25.82	30.46	0.15	39.93	49.71
3700.00	0.22	40.90	3699.66	38.26	26.28	30.72	0.19	40.43	49.46
3800.00	0.05	312.73	3799.66	38.41	26.46	30.82	0.22	40.61	49.35
3900.00	0.20	261.05	3899.66	38.22	26.46	30.61	0.17	40.46	49.16
4000.00	0.20	267.99	3999.66	37.89	26.42	30.27	0.02	40.18	48.88
4100.00	0.54	264.14	4099.66	37.27	26.37	29.62	0.34	39.66	48.32
4200.00	0.69	270.17	4199.65	36.26	26.32	28.55	0.16	38.83	47.32
4300.00	0.71	261.77	4299.64	35.09	26.24	27.34	0.10	37.89	46.17
4400.00	0.41	261.63	4399.64	34.14	26.10	26.37	0.30	37.10	45.30
4500.00	0.45	239.04	4499.64	33.41	25.84	25.68	0.17	36.43	44.82
4600.00	0.60	249.80	4599.63	32.50	25.46	24.85	0.18	35.58	44.31
4700.00	0.49	245.02	4699.63	31.55	25.10	23.97	0.12	34.71	43.68
4800.00	0.42	230.38	4799.62	30.77	24.68	23.30	0.14	33.94	43.35



Scientific Drilling International Survey Report

Company: COG RESOURCES Date: 08/20/2008 Time: 15:49:07 Page: 2
Field: Loco Hills Paddock Co-ordinate(NE) Reference: Site: Eddy County, NM; True North
Site: Eddy County, NM Vertical (TVD) Reference: SITE 0.0
Well: Wichita State #1 Section (VS) Reference: Well (0.00N,0.00E,68.32Azi)
Wellpath: VH - Job #32K0708591 Survey Calculation Method: Minimum Curvature Db: Sybase

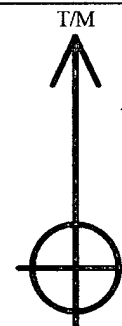
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.00	0.49	210.49	4899.62	30.08	24.08	22.80	0.17	33.16	43.44
5000.00	0.66	210.03	4999.62	29.29	23.21	22.30	0.17	32.19	43.84
5100.00	0.67	223.91	5099.61	28.31	22.29	21.60	0.16	31.04	44.10
5200.00	0.96	189.66	5199.60	27.34	21.05	21.06	0.55	29.77	45.01
5300.00	0.87	186.88	5299.59	26.54	19.47	20.83	0.10	28.51	46.93
5400.00	0.85	175.23	5399.58	25.96	17.98	20.80	0.18	27.49	49.16
5500.00	1.04	180.74	5499.56	25.40	16.33	20.85	0.21	26.48	51.93
5600.00	1.24	176.54	5599.54	24.72	14.34	20.90	0.22	25.35	55.54
5700.00	1.15	185.17	5699.52	23.93	12.26	20.87	0.20	24.21	59.57
5800.00	1.14	178.46	5799.50	23.13	10.27	20.81	0.13	23.21	63.74
5900.00	1.08	170.38	5899.48	22.59	8.34	20.99	0.17	22.59	68.32



**Scientific
Drilling**

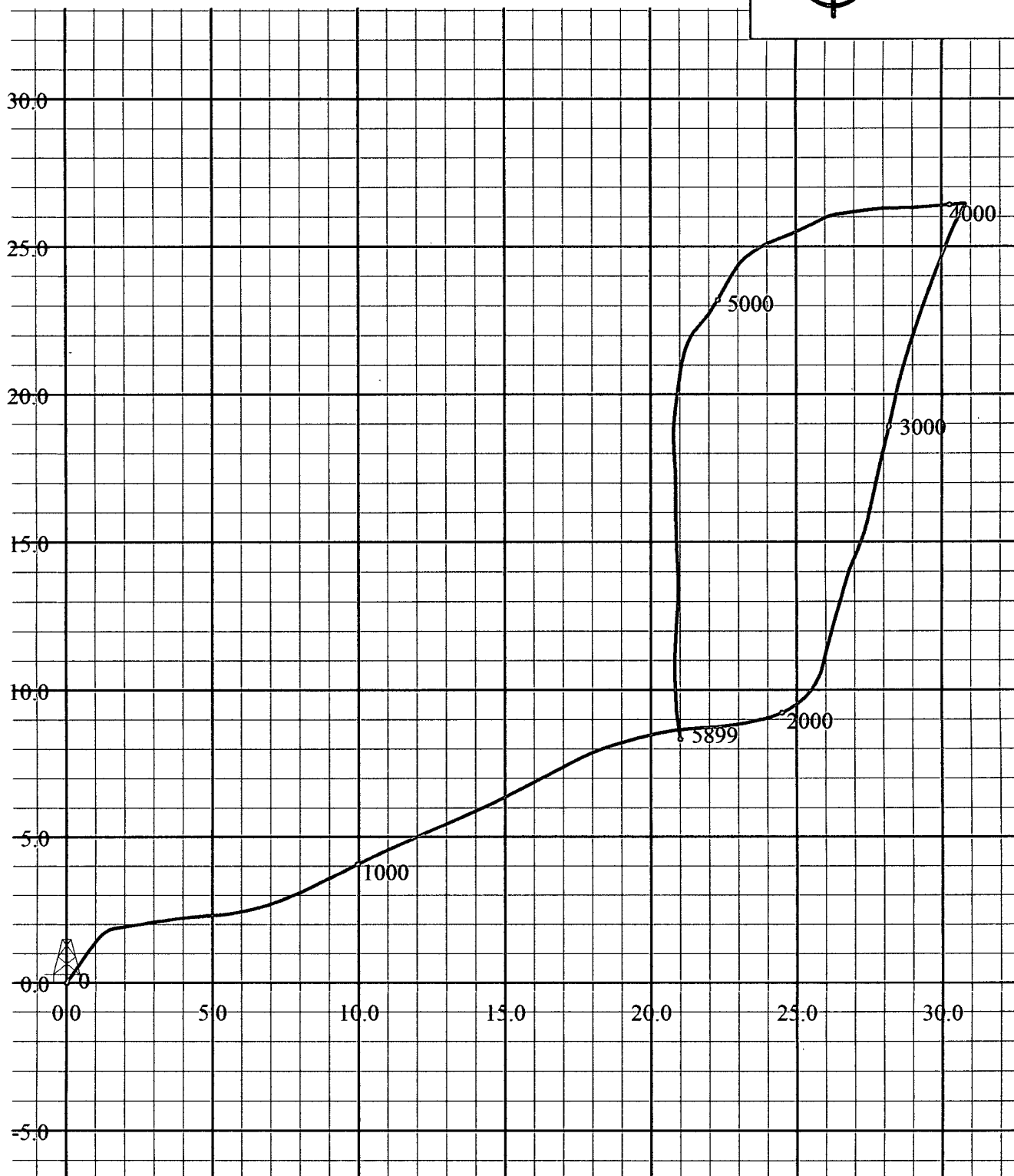
Field: Loco Hills Paddock
Site: Eddy County, NM
Well: Wichita State #1
Wellpath: VH - Job #32K0708591
Survey: 07/28/08



Azimuths to True North
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 08/20/2008
Model: igrf2000

South(-)/North(+) [5ft/in]



West(-)/East(+) [5ft/in]